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Contents For April	In Our Next Issue:
Off on a Comet—or Hector Servadae  By Jules Ferne 4  The New Accelerator	"A TRIP TO THE CENTER OF THE EARTH." by Jules Verse. This book, comparatively Stile leaves, is one of the man important of Versa's works. It holds your inspect from beginning to east, and is by far the
By H. G. Wells	your interest from payering to eac, and is by har the greatest work on this topic—eastedy the explanation of the earth's conce.—that has ever assessed.
The Man From the Atom	"THE CRYSTAL EGG," by H. G. Wells. One of the

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Volume 1 THE MAGAZINE OF

April, 1926 No. 1.

HUGO GERNSBACK, F.R.S., Edbor DR. T. O'CONOR SLOANE, M.A., Ph.D.; Mesosping Editor

Editorial and General Offices - 53 Park Place, New York, N. Y.

Extravagant Fiction Today - - - - Gold Fact Tomorrow

## A NEW SORT OF MAGAZINE

SCIENTIFICATION

By HUGO GERNSBACK, F.R. OTHER fiction magnatine! It is in thus

when the control of t

a preserve is the action in Anderstean John Verrie, H. G. Wells, and Edging Alban Post you of stery—e-free intermining remasses intermined with scientific face and repebber visities. Por many years stories of this sactors were politized in the stater magneties of AMEXICA STREET, STREET

this sect of story, and more of it, there was only one thing to bo—publish a magnatic in which the elemtile fation type of story. Will hold forth extensively. Toward that end we have hid elaborate plans, spartage seither time nor money. Edgar Alian Foe may well be called the father of "exentifiction." It was be who resilts originated the

"Netfortherion". It was no was builty organization in a securitic threat. Julies Verra, with his amazing remands, also deverty interviews with a admittable property and the property and the property which was not all the property which was not his flow whose neteral flows notice, like those of his flow number, lives become formula and immortal. It was not to be a second to be a

It is in those situations that the new romancers find their great inspiration.

Not only do those amoning taken make tremendensby interacting reasing—they are also shways matruetive. They supply knowledge that we might not otherwise obtain—and they supply it in a very palstable form. For the least of those modern writers.

of committees have the knowled or manuting knowledge, and over a superiority, without now making an Add ord only that I Pos. Yeren, Wells, Billion, Add ord only that I Pos. Yeren, Wells, Billion, L. P. Posser, and C. P. Posser, and C. P. Posser, and C. Posser,

spars no energy in presenting to yes, each menth, the very hast of this sort of Berairre there is to effect. Exclusive arrangements have already been made with the oppyright holders of the entire estuminous works of ALL of Jules Vernel's innected attention, and the state of the property of the propert

and we keep very shortly to be able to enlarge the and we keep very shortly to be able to enlarge the terful to our residen. How good this magazine will be in the future is up to you. Read Assathus Stoums—pet your friends to read it and then write us what you think of it. We will welcome constructive criticism—for only in this way will we know how to satisfy you.



### Introduction to the Story

MODRS or some effective and artists take of our earlier, it is difficult to rice a prefer earlier one to one gover all the rest. Yet, certainly, one on a cone to one gover all the rest. Yet, certainly, or an a Cowell' was the prime high rend. Perhaps this atray will be remembered white some of his prosider forth have been a formed him which some of his prosider dirth have been additionated by contrained of these. At least, of the energy beach whose workers own the contrained his promise in the contrained of the contrained his promise in the contrained his promise contrained to be read contrained to the contrained his promise contrained his pr

here shandous his sound servoulously selectific at-

titude used given his forces frever reine. In order that may general to affern the depth of cinemature, and to react, in almost the depth of cinemature, and the react, in almost use the statements results from a contract and a cont

this remarkable comernault. These events all belong to the realm of fairwand. If the situation were reproduced in actuality, if ener a count should come into collision with the earth are can convenies two arientifically possible results. If the corret were of such attenuation, such siresof infiniterireal seaso as some of these celestial wenderers saves to be, see can imagine our earth selfprotection and possibly upharmed. If, on the other

Amed, the cornet had even a hundredth part of the eize and solidity and assiskt which Verse confers upon his monster so as to give his travelers a homein that care the callision sould be impreakably dis-

occusied the exact point of contact But once created the initial and the eleging entravagence, the departure and return of his chargetern, the plake and owens of his tale. Any closely the

bilities of the universe beyond our earth, the actual knowledge so hard wen by our astronomers! Other authors soho, afree Verse, have fold of trips through the planetary and stellor universe have given free rain to fancy, to dreams of what might be found. Verse has endoapproved to impart only soket in houses. In the same wear with "Off on a Comet," 1977, was published also the tole variously named and tram-

lated as "The Black Indies," "The Underground City," and "The Child of the Conern." This story like "Round the World in Eighty Doys" was first insued in "femiliaton" by the nated Ports neurospace "Le Terma!" Its success did not equal that of its predecemer in this stule. Some critics indeed have pointed to this work as marking the beginning of a decline in the author's power of ampline internst. Many of his best works were, however, still to fellen.

### Off On a Comet Or Hector Servadae By JULES VERNE Rook I

### CHAPTER I

A CHALLSNEE BOTHING, sir, can induce me to surrender

"I am sorry, count, but in such a matter year views cannot modify mine." "But allow me to point out that my emigrity uncuestionably gives me a rejor right."

"Mere seniority. I assert in an affair of this kind carnet possibly entitle you to any prior cleim what-"Then, captain, no alternative is left but for me to commel you to yield at the award's noint."

nistel can force me to forego my protensions. Here is my card." "And mise." This rapid alterestion was thus brought to an

end by the formal interchange of the names of the discretants. On one of the cards was inscribed: Castain Hector Servados. Stof Officer, Montaganers

On the other was the title: Count Wared's Timuscheff. On board the Schooner "Dabrana." It did not take long to arrange that recends

should be appointed, who would meet in Mostaganem at two o'clock that day; and the captain and other, with a salete of punctilious courtesy, when Timescheff, as if struck by a nuclear thought, said abruptly: "Perhaps it would be better, captain, not to allow the real cause of this to transmire." "Far better," replied Servadue; "It is undesirable "In that case, however," continued the count, "it will be necessary to assists an extensible protest of some kind. Shall we allege a musical disputsa contention in which I feel bound to defend Wagper, while you are the resions champion of Ron-#ini?\*\* "I am quite content," answered Servadar, with a

The scene as here depleted, took place upon the extremity of a little expe on the Algerian coast, between Mostagazem and Tenes, about two miles from the mouth of the Shehit. The bendland rose more than sixty feet above the sea-level, and the asure waters of the Mediterranean, as they softly kissed the strand, were tinged with the reddish has of the ferriferous rocks that formed its base, was the Sixt of December. The roontide sun, which usually illuminated the various projections of the

coast with a dazgling brightness, was hidden by a dease mass of cloud, and the feg, which for some unascountable came, had hung for the last two months over nearly every region in the world, causing serious interruption to traffic between continent and continent, errend its dream well across land

After taking leave of the staff-officer, Court Wassill Timescheff wended his way down to a small creek, and took his seat in the stern of a light four-our that had been awaiting his return; this was immediately pushed off from shere, and was soot sicrosside a pleasure-vasht, that was lying to not many cable lengths away.

At a right from Servadae, an orderly, who had been standing at a respectful distance, led forward a magnificent Arabian horse; the captain vanited into the saddle, and followed by his attendant, well mounted as himself, started off towards Mostararem. It was half-roat twelve when the two riders crossed the bridge that had been recently erected over the Shelif, and a quarter of an hour later their steeds, flecked with form, dashed through the Musin the embattled wall that controled the town. At that data Mostaganem contained about fifteen thousand mhabitants, three thousand of whom were French. Besides being one of the principal

district towns of the recognos of Oran, it was also a military station. Mostagement rejoiced in a wellsheltered harbor, which enabled it to utilize all the rich products of the Mins and the Lower Shelif, It was the existence of so good a harbor amidst the exposed cliffs of this count that had induced the owner of the Dobrose to winter in these parts, and feeting from ber yard, whilst on her most-head was heisted the necessary of the French Yaght Clob, with

the distinctive letters M. C. W. T., the initials of Having entered the town, Captain Servadae made his way towards Matmore, the military quarter, and was not long in finding two friends on whom he might rely-a major of the 2nd Fusileers, and a centain of the 8th Artillery. The two officers listened gravely enough to Servadae's request that they could not resist a smile on hearing that the disnote between him and the count had originated in a mu-

sical discussion. Surely they apprecial the matter might be easily arranged; a few slight concessions on either side, and all might be amicably adjusted. But no representations on their part were of any avail. Heator Servadae was infexible

"No concession in possible," he replied, resolutely, "Rought has been deeply taxawd, and I cannot suffor the injury to be unavenged. Wagner is a fool. I shall keep my word. I am quite firm," "Be it so, then," replied one of the officers; "and

after all, you know, a sword-out need not be a very serious affair." "Certainly not," rejoined Servadae; "and especially in my case, when I have not the slightest

intention of being wounded at all." Incontaious as they naturally were as to the assigned cause of the quarrel, Servadac's friends had no alternative but to accept his explanation. and without further parley they started for the staff office, where, at two o'clock progrady, they hours later they had returned. All the preliminaring had been arranged; the count, who like many Russians abroad was an aide-de-camp of the Coar,

had of course presented awards as the most approprints wespens, and the duel was to take place or the following morning, the first of January, at nine oblook, smen the cliff of a sand short a mile and a half from the mouth of the Shellf. With the assurance that they would not full to keep their appointment with military panetuality, the two offcers cerdially wrong their friend's band and retired to the Zulms Café for a gene at piquet. Captain Servadae at once retraced his steps and left the

For the last fortnight Servades had not been occupying his proper lodgings in the military quarters; baving been appointed to make a local lovy, he had been living in a gearbi, or native hot, on the Mostagarem coast, between four and five miles from the Shelif. His orderly was his sole comsary to coneal, was to be an ode addressed to a young widow by whom he had been captivated, and whom he was anxious to marry, and the teror of his wrose was intended to Nervas that when once a warn has found an object in all respects worthy of his adfections he should love her "in all simulicity." Whether the aphorism was universally true was not very material to the callent captain, whose sole which this should be the pravaiting sentiment. He ine a composition which would have a fine effect here in Algeria, where nostry in that form was all

nanion, and by any other man than the eartain the

enforced exife would have been esteemed little short

On his way to the gourbd, his mental occupation was a very laborious affort to put together what he

was pleased to call a ronds, upon a model of versi-fication all but chroicie. This rondo, it is unneces-

"I know well enough," he said reneatedly to himself. "what I want to say. I want to tell her that I love her sincerely, and wish to marry her; but, confound it! the words won't rhome. Placue on it! Does nothing rhyme with 'simplicity'? Ah! I have

it now: Lovers abould, whoeler they he. Love in all simplicity." But what next? how am I to so on? I say, Ben Zoof." he rolled sloud to his arthriv, who was tret.

ting allently close in his year, "did you ever compose "No, captain," answered the man promptly: "I have never made any verses, but I have seen them made fast enough at a booth during the fitte of

Montmartre," "Can you remember them?" "Remember them! to be sure I can. This is the way they began :

The entrance money you have spent; The woodrous mirror in this place. Breech your future sweetheart's foce."" "Rosh!" eried Servedec In discout; "your verses

are detectable trush." "As good as any others, captain, squeaked through a reed pipe." "Hold your tongue, man," said Servader per-emptorib; "I have made another countet.

Lovers should, whoe'er they he, Love in all simplicity; Offer I myself to thee."

Bayond this, however, the captain's nostical genius was impotent to earry him; his further efforts were unavsiling, and when at six o'clock he reached the gonrhi, the four lines still remained the

limit of his composition. CHAPTER II

CAPTAIN SERVADAC AND SUS GROSSELY. At the time of which I write, there might be seen in the registers of the Minister of War the following entry: SERVADAC (Hector), horn at St. Trélody in the

district of Lesparre, department of the Gironda July 19th, 18-Property: 1200 frames in rentes.

Length of service: Fourteen years, three months, and thre days.

Service: Two years at school at St. Cyr; two years at L'Eccle d'Application; two years in the StR Regiment of the Line; two years in the 3rd Light Cavalry; seven years in Algaris.

Commences: Sorther and Jenus.

Rexis: Captain on the staff at Mostaganam. Decorations: Chevaller of the Legion of Honor, March 18th, 18—, Hector Servadae was thirty years of age, an

nector servant was three years or age, an orphan without image, and almost without means. Thirsting for given rather than for gold, slightly scatter-brained, but warm-hearted, generous, and hrave, he was emisculy fitted to be the proving of the god of buttles. For the first wear and a half of his existence be

had been the foster-child of the sturdy wife of a vine-dreaser of Médoc—a lineal descredant of the heroes of ancient prowess; in a word, be was one of those individuals whom nature seems to have predestined for remarkable things, and around whose sends have hoursed the fair rood-mothers.

of adventure and good lack.

In appearance lifeter Serradas was quilte the type of an offer; he was rather more than five feet ike inches high, slim and graceful, with desic cuting hair and mattaches, well-formed hunds and feet, and a clear bloo rey. He seemed born to plassa without being consolute of the power he promosable. It must be owned, and no can was more ready for confess it than himself, that his liberary attainments were by no meant of a high order. We dear ments were by no meant of a high order. We dear

ments user by 30 flaction of a lagic conter. "we there of conference indicates that they do not shift their stays from the other conference, indicated that they do not shift their stays for fertoman pursuits; but it must be confessed that for fertoma pursuits; but it must be confessed that stays and his ready intelligence had carried this successfully through the curriculator of the carty convention to the conference of th

The following episode may suffice, in a certain degree, to fillurate she charment. Once, in action, by was leading a detachment of infantry through an interestiment. They came to a piece where the side-work of the trench had been so riddled by shell that a poetton of it had notually fishes in, leaving an aperture quite unabeltered from the grape-shot that was pourne; in thick and fant. The nece heistered in an instant Servades mounted the side-week, laid himself down in the gap, and thus filling.

that was pouring in thick and first. The men hair taind. In an instant Servadae mounted the sidework, laid himself down in the zee, and thus filling ap the breach by his own hody, shouted, "March out" And through a storm of shot, not one on the tophed the proximate officer, the treop passed in

underly.

Since leaving the military college, Servadae, with
the exception of the two extrapalges in the Seedess
and Appen, and store observationed in Algeria,
and the servation of the Appendix of the Appendix
and the Seedess of the Appendix of the Appendix
and had highly been entrated with some topparmphical work on the coast between Tenes and the Shelfit
It was a matter of Bittle consequence to him their

in no hearry at all to bring his task to an cod. His
occepation, moreover, was not so engressing but
that he could find history for taking a short railway
that he could find history for taking a short railway
and again porting in an opporance at the general's
receptions at Oran, and at the fites given by the
powerment at Autern.
concentrations that he had first
int Mindsime do L.—. the help to when he wea
deprived of dedicating the roots, the first four lines
deprived of dedicating the roots, the first four lines

the gourbs, in which of necessity he was quartered,

was uncomfortable and ill-contrived; he loved the

open air, and the independence of his life suited him well. Sometimes be would wander on feet upon

the sandy shore, and sometimes he would enjoy a

ride along the summit of the cliff; altogether being

of which had just seen the light. She was a colone? widney, young and handstoon, you presserved, not to say lungibly in the manner, and either indifferent or imperition to the animetrion which she imprical. Outpoins Serradher had not yet ventured to declare his attachment; of virsis he was owd warms he had not a few, and amment these sort the least formulations of the season of

accepted by her two ardent admirers.

During his real-bases in the gravity, Rector Servades sub companion was the orders, Pan Zonel. Bee, Zoof was devoled, body and soul, to his agreed as the property of the property of the property of the absorbed in his materia watflers, that it is certain an offer of premoless—even had it been that of substitution of property of the property of the little property of the property of the tension of the property of the property of the little property of the property of the property of Montanette in Paris, and how or why he had no delicted this protocym tensor out of these assemblies

find it hard to explain. Born on the hill of Montmartre, between the Solferino tower and the mill of La Galette. Ben Zoof had ever possessed the most unreserved admiration for his birthplace; and to his eyes the heights and district of Montmurtre represented an enitoms of all the wonders of the world. In all his travels, and these had been not a few, he had never behalf agencey which could corrects with that of his native home. No cathedral-not even Burgos itself -could vie with the church at Mostmartre. Its Pentilioue; its reservoir would throw the Mediterranean into the shade; its forests had flourished long before the invasion of the Celta; and its very mill produced to ordinary flour, but provided material for colors of world-wide records. To errors

mill produced no ordinary four, but provided material for caltes of world-wide renova. To errors all, Montmartre boasted a menuncia—a veritable mentatin; carvious tongues indeed might promouses it little more than a hill; but Ben Zoo' would have allowed himself to be haven in pieces rither than affinit that it was applying leas than fiften theu-

sand feet in height.

Ben Zoo's most ambitious desire was to induce the captain to go with him and end his days in his much-leved bosse, and so inconsently were Serve-

dan's area besigned with descriptions of the propernished beoutin and advantages of this explaneath arrondissement of Faris, that he could sacroely har the name of Mentmarte without a conscious thrill of severaton. Ben Zoof, however, did not described to the control of the control of the pair of ultimately converting the captain, and meanwhile had resolved never to leave him. When a private is the bit Cavalay, he had been on the

a private in the 8th Cavalry, he had been on the at of quitties the some at twenty-cight years of age, but unexpectedly he had been appointed orderly to Cantala Servadas. Side by side they faught in two carrowines. Servedue had saved Ben-Zoof's life in Japan; Ben Zoof had rendered his master a like arraice in the Santan. The bond of union thus effected could never be severed; and although Ben Zoof's achievements had fairly corned honors or any penales that might part him from his superior officer. Two stout arms, an iron constitution, a powerful frame, and an indomitable courage warn all lyrally demonst to his reaster's sarvice, and fairly switted him to his sof-disant designation of "The Rampart of Montmortre." Unlike his master. he made no pretenden to any gift of poetic power, but his inexhaustible memory made him a living en-

excipentia; and fire his ricket of anecdotes and recognity that he was multilates.
Thereughly appreciating his arrant's pool qualterior and the properties of the second properties of produced the production of the production of the good known these Mitogramshay which is a less faithful follower would have been insideable, and to the production of the production of the production of the translation of the production of production of the production of the production of the production of the country of the production of the produ

matter or some torrecen thousand rect to make it as high as Most Blanct?"

Ben Zoof's eyes glistened with delight; and from that memoral Hector Servadus and Montmartee held even visces in his affection.

### CHPTER III

COMPORTO OF mud and loose stones, and covered with a batch of turf and straw, known to the natives by the same of "dring," the purel's, though, a grade letter than the tunts of the sound Araba, was yet far interior to say shafetate built of bride so often. It adjoined an oil stone bastletry, previously one affected, while the far beautiful properties. It was also been also the strain of the strain of the lower affected, while to Te Bra. Got and the two keyess. It still contained a considerable number of teels, such as mattody, showing, and schooms.

Therefore the transfer of the property above the property of the property of the property above bereates and his attended made no combination. See that the property of the property of the property of the total of beinging. After discrept leaving his orderly to store away the remains of the report in what he was pleased to term the "cupbant of his storagh." Cupting Serrador turned out into the span hir to stanks his plue upon the edge of the cliff. The shades of night were drawing on. An hour previculty voice of the heavy draws, the was had sank

below the borison that bounded the plain beyond the Shellf.

The sky presented a most singular appearance. Towarts his north, altrough the destrones readered it impossible to see beyond a quarter of a mile, the apper situate of the altemplates were officiated with a sport system of the altemplates were officiated with a sport system of the altemplates were officiated with a sport system of the altemplates of a supply of a surver arch of luminous rays, believed a simply of a surver bornells, even had such a photomorous been possible in these hittories; and the most capacities capability to consider would have been quantum to explain the cause

her, the last evening of the passing year.

But Captain Berevade was nesteroelegist, and
it is to be doubled whether, since howing ashed,
he had even opened his "Course of Comography,"
Busides, he had other threights to occupy his mind.
The prospect of the morerow offered section matter
for consideration. The captain was saturated by
no permand submoutly against the count; though or
rivals, the two men regarded each other with sinwhich one of the count of the county
which could be a submitted or the county though the
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must decide. At aight strikery, Captain Servedes recentered the gourbi. the single apartment of which contained his had a small writing table, and some trucks that served instead of cupboards. The orderly performed his culirary corrections in the adicining build. ing, which he also used so a bed-room, and where, extended on what he called his "good cale mattress." he would skeep soundly as a decreasing for tradehours at a stretch. Ben Zoof had not vet received his orders to retire and ensemble himself in a corner of the goarbi, he endeavored to doce-a task which the unusual agitation of his master rendered samewhat difficult. Cantain Servadae was seiderthe in no hurry to betake himself to rest, but seating himself at his table, with a pair of companies and a shoot of drawing-paper, he began to draw, with red and blue gravons, a variety of colored lines, which could hardly be supposed to have much connection

with a topographical survey. In truth, his charnester of staff-follow was now entirely absorbed in that of Easeen post. Whether he imagined that the compassas would bestew upon his wreves the measurced that the particulored lines would hear up not ed. It is the particulored lines would hear up not to be beythen, it is impossible to determine be that as it may, be was devoting all his energies to the completion of his rende, and suppossibly difficult to found the bank. "The classification," whatever induced me. "There it?" he classified, "whatever induced me.

as to raily fugitives in a hattle. But, by all the powers! It chan't be said that a French effect cannot cope with a piece of poetry. One building has fought—now for the rest? Perseverance had its reward. Presently two

Perseverance had its reward. Presently two lines, one red, the other blue, appeared upon the paper, and the captain murmured:

"Words, mere words, campot avail, Telling true beart's tender tale."
"What on each alls my master?" postered Ben

"What on earth ails my master?" mattered Ben Zoof; "for the last bour he has been as felgety as a bird returning after its winter migration." Servadae auddenly started from bis seat, and as

OFF ON A COMET he paged the room with all the frency of nortic in-CHAPTER V spiration, read out : Empty words cannot convey All a lover'e heart would say. VINLEYS as the commotion had been, that per-"Well, to be sure, be is at his everlasting verses

words with dramatic gestures, Servadae began to "Litten, lady, to my yown-O, exceent to be my spouse; Constant over I will he. Constant . . . No closing lines were uttered. All at once, with unutterable violence, the captain and his orderly ware dashed, face downwards, to the ground.

again?" said Ben Zoof to himself, as he roused him-

self in his corner. "Terrossible to alson in such a

instant the orderly was upon his feet, standing in a

military attitude, one hand to his forshand, thu

shouted Servadae: "I have just thought of the end

And in a voice of inspiration, accompanying his

noise;" and he gave vent to a load groun.

"Nothing, air, only the nightmare,"

other closely presend to his fromus-search. "Stay where you are! don't move an inch!"

"What alls you?"

decisim:

CHAPTER IV A CONVUESION OF NATURE

WHENCE came it that at that very moment the horison underwest so strange and sudden a modification, that the eye of the most praticed mariner could not distinguish between sea and sky? Whence came it that the billows raced and rose to a helpht hitherte unregistered in the records of

Whence came it that the elements united in one desfening crush; that the earth grouned so though the whole framework of the globe were runtured: that the waters round from their impromest deviluethat the air shricked with all the fury of a cyclone? Whence came it that a radiance, intenser them the effulgence of the Northern Liebts overgread the firmament, and momentarily dimmed the splea-

Whence came it that the Mediterranean, one is stant emptied of its waters, was the past flooded with a forming surge? Whence came it that in the space of a few secends the move's disc reached a magnitude as though

dor of the brightest sture?

explain its reveters?

it were but a tenth part of its ordinary distance Whence came it that a new blazing appeared, hitherto unknown to astronomy, now appeared suddealy in the firmament, though it were but to lose

itself immediately behind masses of accumulated cleat? What phenomenon was this that had produced a cutaclyon so tremendous in effect upon earth, sky,

Was it possible that a single human being could have curvived the convulsion? and if so, could be

the right bank of the Shelif, speezed to have suffered little change. It is true that indentations "How next. Ben Zoof?" said the cantain sharely. were perceptible in the fertile plain, and the surface of the sea was ruffled with an acitation that was quite unusual; but the rugged outline of the "Curse the fellow, he has quite interrupted me!" oldf was the same as heretofore, and the averet of ejuculated the captain. "Ben Zoof!" he called aloud. the entire scene appeared unaltered. The stone "Here, sir!" was the prompt reply; and in an hostelry, with the exception of some deep clefts in

its walls, had sustained little injury; but the gourhi, like a bouse of cards destroyed by an infant's breath, had completely subsided, and its two inmates lay motionless, hurled under the nunkers It was two hours after the estastrophe that Cap-

tion of the Aircrian coast which is bounded on the

north by the Mediterranean, and on the west by

tain Servadae reguland consciousness; he had some trouble to effect his thoughts, and the first sounds that escaped his lips were the concluding words of the rondo which had been so ruthlessly interrupted; "Constant ever I will be,

Constant . . . His next thought was to wonder what had happenad; and in order to find an amwer, he meshed aside the broken thatch, so that his head appeared

above the debrie. "The gourts leveled to the eround!" he exclaimed, "surely a waterspout hea named along the coast." He falt all over his body to perceive what injuries he had sustained, but not a sprain nor a scratch

could be discover. "Where are you, Ben Zoof?" he "Here, sir!" and with military promptitude a second head protruded from the rubbish. "Have you any notion what has happened, Ben

"Two a notion, captain, that it's all up with us." "Nonserse, Ben Zood; it is nothing but a waterapont!" "Very good, sig;" was the philosophical reals. immediately followed by the query, "Any hones

broken, sir?" "None whotever," said the captain. Both men were soon on their feet, and hegen to make a vigorous clearance of the rains, hencath

which they found that their arms, cooking utenalls, and other property, had sustained little injury. "By-the-br, what o'clock is it?" saled the con-"It must be eight o'clock, at least," said Ben

Zoof, looking at the sun, which was a considerable height above the horizon, "It is almost time for "To start! what for?"

"To keep your appointment with Count Timescheff." "By Jove! I had forgotten all about it?" ex-

claimed Servadao, Then looking at his watch, he cried, "What are you thinking of, Ben Zeof? It is scarcely two o'clock.

"Two in the morning, or two in the afternoon?" zaked Ben Zoof, again regarding the cus. Servadae raised bis watch to hie ear. "It is going," said he; "but, by all the wines of Médoc, I am pussled. Don't you see the sun is in the weat? It must be near setting."
"Setting, esptain! Why, it is rising finely, like a conscript at the sound of the reveille. It is considerably higher since we have been talking."

\*\*Remarkible as it releases we have been talking."

addersibly higher efines we have been talking."

fexceedities as it might appear, the fact was undeminable that the sun was rising over the Shielli from that garacter of the horizon behind which it usually sank for the latter pertion of its deliy round. They were utterly bewildered. Some mysterious phenomenon must not only have altered the position of the sun in the aldereal system, but

terrius phenomiciated mint not duty have anterest the position of the sam in the alderest system, but must even have invegable aloue an amportant modification of the earth's robustion on the exist. Captain fleewadno consoled intender with the proposed or resulting our explanation of the maynetry in most or the end of the end of the capture of the end of the end of the end of the end of the same which movements and turnout list attention to the end of the

"Cente, let us he off," said he to his orderly; "though heaven and earth he topsy-turvy, I must be at my post this morning."

10

an thought the tradester it is loose, or would be readed to the control of the co

erificat that the air had become less capable of transmitting round.

The weather, which so the grevious evening had hen very fogy, had entirely changed. The sixth assumed a singular tint, and was soon covered with lowering closels that completely bid the wm. There were, indeed, all the signs of a coming sterm, had the vapor, on account of the inenfizient consisten-

tion, fadind to fail.

It sees appeared quite descript, a most unusual forcumetance along this coast, and not a rail ner a trail of smoke briefs the gray monotory of wider and sky. The limits of the horizon, too, had become much circumseribed. On land, as well as on see, the remote distance had completely disappeared,

and it commed as though the globe had assumed a more desided convention, the very weaking, it was At the spec all which they were waiting, it was At the spec all which they are the attention to would not take from the convention to the statement would not be able to be accomplish the tree miles that by between the govern and the phase of reaterers. They did not extraing a work, but cook spectral to Bit up their beddes and give as it were, waiges to their test. If Ben Each to despressed his consistent is worth, he would have said that he of his to make the convention to the convention of the control of the convention of the convention of the control of the convention of the convention of the control of the convention of the convention of the control of the convention of the convention of the control of the convention of the convention of the control of the convention of the convention of the control of the convention of the convention of the control of the convention of the convention of the control of the convention of the convention of the control of the

As these thoughts were crossing his mind, a harsh bark was heard to the left of the footneth.

and a fackal was seen emerging from a large grove

resulficia usessimini, the beaut bolt up the positive at the foot of a rode, mere than thirty feet in beight. It behinmed to an African species offiterpathed by a Marke optical ski, and is Mark the property of the state of the state of the state when they some the country in briefs, the creatives are convented formidable, but study they are no more desperovas them a day. Though by a common to provide the country in briefs, the creace of the state of the state of the state of the piace among the finance of his believed Montmerter, when the state of the state of the state of the piace among the finance of his believed Montmerter, and the emplain, the animal detect of forward, and its one single hourd affected forward, and is

of lentisks. Regarding the two wayfarers with

"Good Heavens" oried Ben Zoof, "that beap rosat have been thirty feet at least." "True except," replied the captain; "I never saw such a jump," Meantings the includ had scated itself upon its Meantings the includ had scated itself upon its

Meanthine the jetchi Mad sented itself upon to hanches, and seat a string at the two mes with an hanches, and seat a string at the two mes with an Birn Zoofs forthermore, and stooping down be cought up a hore estene, when to his surgeine, be found that it was no bester than a piece of petriried repose. We have a superior of the seat and the second to the seat of the seat of the seat at his Wash ascendar for its being as light as their "to thought a second to the seat of the seat at the second to the seat of the seat of the table of the seat of the se

of bounds, which could only be littered to those that might be made by an indis-vettber knoprose. Her Zoof was sare that his own govers of propelling mast equal through of howevier, for his stone, after ground fall flow hundred poces the other side of ground fall flow hundred poces the other side of the rock. The property was now more rands about of his The orderly was now more rands about of his about ten feet wide. With the intention of clearshoot ten feet wide. With the intention of clearhabout ten feet wide. With the intention of clear-

The orderly was now some yards ahead of his master, and had reached a ditth full of water, and about ten feet wide. With the intention of elements in the intention of elements in the made a spring, when a load ory hard from Servadoe. "Ren Zoof, you kilot! What are you about! You will head your bank!?" And well might be he alarmed, for Sen Zoof had

And well might be be alterned, for Hen Seed Bud syring to a height of forty feet flot to the sit. Period ful of the consociences that would attend the desferenced by the consociences that would attend the desferenced, to be on the other side of the digith in time to beach his fall. But the muscular effect that he made sarried him in all turn to as altitude of thirty feet; in his assort to passed like Zoof, who had already commenced his downward course, and then, obesident to the lower of prestitation, he descarded early consocience to the consocience of the concept which were only to the concept which were the con-

was conscious of an initial angoingty, write of the constraint is seried, he would have said that he constraint is seried, he would have said that he constraint to take so much as a creat of breed, a lapse of constraint to take so much as a creat of breed, a lapse of one who will be expert as self-interest to take a constraint of the constraint of the

either solves or mad."
"It is very certain that something has happened to us," and Ben Zoof. "I have occasionally dreamed

from his lafty perch was surveying the country to the south, as well as towards both Tenes and Mostaranem. On descending he informed the sen-"We will make our way to the river, and get over into Meetaganem," said the contain

The Shellf was not more than a mile and a bulf from the meadow, but no time was to be lost if the two men were to reach the town before nightfall. Through still hidden by heavy should the sunwas evidently declining fast; and what was equally

inexplicable. It was not following the oblique curve that to these letteries and at this time of week might be expected, but was sinking perpendicularly

As he want slong, Captain Servadae nondered deeply. Percharge some unheard of physomeron had medified the rotary motion of the plobe; or perhaps the Alperian coast had been transported become the acustor into the southern benefithers Yet the earth, with the exception of the alteration

"Nonsemet" exclaimed Servadae, "How can the sun he in the resulth, in the month of January, in in its convexity, in this part of Africa at least seemed to have undergone no change of any very "Can't say, sir. I only know the sun is there; and erent importance. As far as the eye could reach the share was as it had over been a succession of cliffs, heach, and said rocks, timed with a red

condo a dish of courcous that in less than three ferruginous hus. To the south-if south, in this inverted order of things, it might still he calledthe face of the country also amenged unaffered, and some leagues away, the peaks of the Merdeyah mountains still retained their accustomed outline. Presently a rift in the clouds pave passage to an oblique ray of light that clearly proved that the

happened; Ben Zoef and I carmot both be mad?" "Well. I am curious to know what they think of The orderly, meentime, surveyed his master with all this at Mostagemen," said the captain. "I wonthe greatest sampledly; no phenomenon, however der, too, what the Minister of War will say when extenordinary, would have drawn from him a single he receives a telegrom informing him that his Afriexclamation of surprise. "Do you see anyone. Hen can colory has become, not marally, but physically discreamized; that the cardinal points are at vari-

sun was setting in the cost.

once with ordinary rules, and that the sun in the month of January is shining down vertically upon our heads." Ben Zoof, whose ideas of discipline were ex-

tremsly rigid, at once suggested that the colony should be put under the surveillance of the selice. that the cardinal points should be placed under re-

straint, and that the sun should he shot for breach Meantime, they were both advancing with the ntmost speed. The decompression of the atmo-

"But supposing that to be the case," persisted

pope my meeting with the count. Screething has Zoof?" noked the captain, at host, "No one, sir: the count has swidently been and

fore: it must be neculiar to the coust of Alegria."

Severales was streetful; by full instinctions that

he was not dreaming, and yet was powerless to solve

the revotery. He was not however, the way to

used hystery. He was not, however, the man to

"Come what may," he recently exclaimed, "we will

of all, let us settle our little score with Court Time-

age carpeted the soil, whilst trees formed a charming framework to the whole. No snot could have

here shows more cultable for the meeting between

in sight. "We are the first on the field," he said,

"Not so sure of that, sir," sold Ren Zord.

Remoder cast a heaty places round. No one was

"What do you meen?" asked Servadae, looking

"Look up there, sir. I are much mistehen if that

at his watch, which he had not an nearly an mosalble

by the sum haders leaving the sought: "It is not

is not the sun;" and as Hen Zoof spoke, he pointed

directly overhead to where a faint white disc was

at the rate he has been traveling, I would lay my

Hertor Servadae mute and motioniere, stood with folded arms. Presently he roused himself, and be-

run to look about again. "What recors all this?"

he nurmured. "Laws of gravity disturbed! Points

of the correspon reversed! The length of day ye-

duced one half! Surely this will indefinitely roat-

slimby visible through the ham of clouds

Beyond the ditch lay a small piece of meadow land. shout an acre in extent. A seft and delicious barb-

Bight cartain" replied Ben Zoof: Sand Seat

at nothing!

nine o'lock yet."

the exptain, "my seconds would have waited, and not seeing me, would have come on towards the peurhi. I can only conclude that they have been unable to get harn; and an for Count Timeschoff...

Without finishing his sentence, Contain Servadae, thinking it just probable that the count, as on the previous evening, might come by water, walked to the ridge of rock that overhung the above, in order

to accertain if the Dobryna were anywhere in sight, But the rea was described, and for the first time the contain noticed that atthough the wind was sales. the waters were unnounly agitated, and seethed and formed as though they were building. It was very certain that the yacht would have found a difficulty in holding her own in such a swell. Anather thing that now struck Servadae was the extra-

sphere made the specific gravity of their bedies extraordinarily light, and they ran like haves and leaped like charmin. Leaving the devices windings of the footneth, they went as a erow would fly serces the country. Hedges, trees, and streams were cleared at a bound, and under these conditions Ren Zoof felt that he could have oversterned Montmartre at a single stride. The earth seemed as

Ban Zoni

conside to the spring-round of an acroba; they four was lest the height to which they were pronathed would consume the time which there were saving by their short cut across the fields.

It was not lone before their wild career beyords them to the might house of the Shallf. Here there were compelled to stop, for not only had the bridge completely disappeared, but the river itself no longer existed. Of the left bank there was not the slightest trace, and the right hank, which on the previous evening had hounded the yellow stream, as it murmured peacefully along the fertile plain.

soure waters extending westwards far as the sys could reach, and annihilating the trart of country which had hitherto formed the district of Meetaearners. The shore estinated exactly with what had curved line van north and south, whilst the adjacent graves and mendous all retained their negations nesitions. But the river-bank had become the shore of an unknown sea. Easer to throw some light upon the mestury, Servadae hurriedly made his way through the ole-

ander bushes that courbons the shore, took up nome water in the bollow of his hand, and carried it to his lies. "Reft as brited" he exclaimed as each as he had tasted it. "The sea has understadly evallowed up all the western part of Algeria. "It will not last long, sir," said Ben Zoof. "It is, probably, only a severy floor." The cantain thonk his head. "Worse than that, I fear, Ben Zoof," he realled with emotion. "It is

a catastrophe that may have very serious conseouesces. What can have become of all my friends and follow officers ?? Ben Zoof was silent. Rarely had he seen his master so much agitated; and though himself inclined to receive these phenomena with philosophic indifference, his netlans of military duty canad his

countenance to reflect the captain's expression of But there was little time for Servadac to examine the changes which a few boars had wrought. The sun had already reached the eastern borious. and just as though it were crossing the ecliptic under the tropics, it sank like a campon hall into the sen. Without any warning, day gave place to night,

### and earth, sea, and sky were immediately wrouped CHAPTER VI THE CAPTAIN MAKES AN EXPLORATION

Herror Servanae was not the man to remain lengunnerved by any untoward event. It was part of his character to discover the way and the wherefore of everything that came under his observation, and he would have faced a comon hall the more unhy which it was propolled. Such being his temneroment, it may well be imaginal that he was enxious not to remain long in ignorance of the cause of the phenomena which had been so stort-

line in their consequences. "We must inquire into this to-merrow," he exclaimed, as darkness full suddenly upon them. Then, after a pause, he added: "That is to ray, if there the terture. I could not tell what has become of the "May I ask sir, what we are to do now?" put in "Stay where we are for the stream; and when daylight appears—if it ever does appear—we will explore the coast to the west and south, and return

to the ground! If we can find out nothing also we must at least discover where we are." "Meanwhile, sir, may we go to sleep!" "Viertarely, if you like, and if you can." Nothing leath to avail himself of his master's

erminales. Ben Sant granched down to an anale of the share, throw his arms over his over, and very soon slept the sleep of the ignorest, which is often sounder than the sleep of the fast. Ourseholmed by the countions that encoded un-

on his bonin Cantain Sensados could only varieties un and down the shore. Again and again he saked himself what the estastrophe could portend. Had the towns of Algiers, Orsp. and Mestagemen escurred the inundation? Could be bring himself to believe that all the inhabitarts, his friends, and comrades had narished; or was it not more probable that the Mediterroreen had morely breaded the region of the mouth of the Sheliff Bus this strongation did not in the least evolute the other physical disturbances. Another hypothesis that presented itself to his mind was that the African

court wight have been suddenly transported to the constorial zons. But although this might get over the difficulty of the altered altitude of the sm and the absence of twilight, yet it would neither account for the sun setting in the east, nor for the length of the day being reduced to six hours. "We must wait till to-morrow," he repeated: adding, for he had become distructful of the future. "that is to say, if to-morrow ever comes."

Although not very learned in astronomy, Servadae was accredited with the resition of the princinal constellations. It was therefore a considerable dispreciatment to him that, in consecuence of the heavy clouds, not a star was visible in the firmsment. To have secretained that the pole-star had become displaced would have been on undertable proof that the earth was revolving on a new axis; but not a rift appeared in the lowering clouds.

which seemed to threaten torrents of rain It happened that the moon was now on that very day; naturally, therefore, it would have not at the tala's bewilderment when, after he had been walking for about an hour and a half, he noticed on the western borison a strong glare that penetrated even the masses of the clouds

"The moon in the west?" he cried aloud; but suddenly bothinking himself, he added: "But no, that campot he the moon; unless she has shifted very much nearer the earth, she could never give a light as beforen as this."

As he spoke the screen of vapor was illuminated to such a degree that the whole country was, as it were, hathed in twilight, "What can this be?" nollibratied the captain. "It cannot be the sun for

the same not in the east order on hour and a half one. Would that those clouds would disclose what apprmore luminary lies habited them! What a facil I was not to have learnt more astronomy! Perhaps, after all I am racking my brain over aspectling that is enite in the onlinear course of nature But reason as he might, the musteries of the heaven atti wanefeed tomeratuable. For about an hour some terrinous body, its disc evidently of gimentic dimensions shed the raws owns the ormer strata of the clouds; then, marvelous to relate, in-

stead of obeying the cofficery laws of celestial see, it seemed to retreat further off, every dimmer. The durkness that returned to the face of the

earth was not more penfound than the closen which fell upon the captain's soul. Everything was incorrespondible. The airculest mechanical rules reessed fulnified; the planets had defied the laws of gravitation; the motions of the celectial spheres were erronesses as those of a watch with a defective majoroving and there was respon to five that the

are would never again abed his radiance upon the But these lost fears were groundless. In three heurs' time, without new intersening twilight, the morning aun made its appearance in the west, and day once more had dawned. On consulting his watch Servedae found that might had leated were elastr six hours. Bun Zoof, who was unacconterned

to so brief a period of renose, was still alembering eversily.

"Yome, wake up!" said Servadee, shaking him by the shoulder; "It is time to start." "Time to start?" exclaimed Ben Zoof, rubbing bin even "I feel on if I had only just come to sleen

"You have sleet all night, at any rate," replied the cardain; "it has only been for six hours, but non recent make it approach?" "Rooseh it shall be, sir," was the submissive

rejeinier. "And now," continued Servadae, "we will take the shortest way back to the courbi, and see what our horses think about it all."

"They will think that they quant to be grouned," said the orderly. "Very good; you may groom them and saddle

them as quickly as you like. I want to know what has become of the rest of Algeria: if we cannot get round by the south to Mostaganers, we must go eastwards to Tenes." And forthwith they started. Reginning to feel hungry, they had no heutation in suthering flex, dates, and oranges from the plantations that formed a continuous rich and luxuriant orchard along their path. The district was quite

deserted, and they had no reason to fear any local penalty. In an hour and a half they reached the murbi.

evident that no one had visited the place during their absence. All was desolate as the shore they had enitted. The preparations for the expedition were brief

and aimple. Ben Zoof saddled the horses and filled his much with biscults and game; water, he felt certain, could be obtained in abundance from the pareerous affuents of the Shelif, which, although they had now become tributaries of the Mediterranger, at ill meandered through the plain. Captain Servador mounted his borne Zephyr, and Ben Zool simultaneously got astride his more Galette, named after the mill of Montmartre. They galloned off

their horses as it had had upon themselves. Their municular strength somed five times as erent as hitherto: their boofs scarcely teached the exceed and they seemed transformed from ordinary quadrureds into veritable himogriffs. Hannily Servano attempt to ourh their steeds, but even urwed there to still erester exertions. Toursts releates sufficed to carry them over the four or five miles that interwated between the courbl and the receth of the Shellf; then, slackening their speed, they proceeded at a more integraly pass to the southeast, alone what had enge been the right bank of the river,

in discouring that the domination in the present

of the atmosphere had revetuely the same effect meen

but which, although it still retained its former charasteristics, was now the boundary of a see which extending forther than the limits of the horizon. rout have avallered up at least a large portion of the province of Owes. Captain Servedac know the country wall; he had at one time been excuend uson questly had an accurate knowledge of its topography. His idea now was to draw up a recort of

his investigations: to whom that report should be delivered was a problem he had yet to solve. During the fore hours of decitable that still wemained, the travelers rode about twenty-one miles from the river weath. To their rest surveine they did not meet a single human being. At nightfall

they again enganned in a slight bond of the shore. at a noise which on the receives secretor bad faced the asouth of the Mina, one of the left-hand afforms of the Shelif, but now sheerhod into the newly reyealed ocean. Hen Youf made the election accorded dation as comfertable as the circumstances would allow; the horses were hubbled and turned out to

feed upon the rich posture that clothed the shore. and the night named without special incident. At surross on the following morning, the 2nd of January, or what, according to the ordinary calen-

tain and his orderly remounted their herses, and during the six-hours' day accomplished a distance of forty-two mits. The right bank of the river still continued to be the margin of the land, and only in one spot had its integrity been impaired This was about twelve miles from the Mina, and on the site of the canes or suburb of Surkelmittee. away, and the hamlet, with its clabt hundred inhabitants, had no doubt been swellowed up by the encroaching waters. It seemed therefore, more

then probable that a similar fate had evertaken the In the evening the engineers encarmed, as ween terminated their new demain, not far from where

ther might have expected to find the important villace of Memograturroy; but of this, tee, there was now no truce. "I had quite reckaned upon a supper and a bed at Orleanwille te-night," said Servada: as, full of despendency, he surveyed the waste of

"Quite impossible," replied Ben Zoof, "except you had rose by a best. But cheer up, sir, cheer up; we will soon devise some means for getting across to Mostseaners."

"If, as I hope" rejoined the captain, "we are on a peninush, we are more likely to get to Tenen; there we shall bear the news."
"Far more likely to carry the nows cursolves,"

"Far more likely to carry the news ourselves," answered Ben Zoof, as he threw himself down for his night's rest. Six hears later, only waiting for survise, Cantain.

ent store more, as writing res surings, cuprain Servation as himself in movement again for errors between the store of the store of the store of the shitherto had been running in a scoth-scattery direction, turned sherply to the nexts, being no longer formed by the natural barie of the Shelli, but consisting of an aboutlety new constitute, No lind was in sight. Neithing could be seen of Orienseville, which ought to knye here potent see mine to the post of the store of the sto

signess point set voir whiteholds, could olithiquia Quilling their encomponent and riding on, the herrifered explorers kept close to the new above. The same is and encoded to fermed by the original river bind, had could be fermed by the original river bind, had could be fermed by the original river bind, and could be formed by the original river bind, and could be formed by the deep channe rifled the greenly great gaps turnewed the fields, and trees, half approted, overhang the water, remarkable by the finishests distortions of

their granted trunks, looking so though they had been chopped by a baladet.

The cinusellies of the cond line, alternately gully and heedland, but the effect of moding a devices progress for the travelers, and at susset, although they had accomplished more than twenty miles, they had only just arrived at the foot of the littdepath featuration, which below the staticitys, the depath featuration, which below the staticitys, they are the settlement of the chain of the Littleters of the control of the conduction of the control of the con-

On the following marring forevolte and But 2002 traversade use of the monthly grown, and seet, he the minist and condition of the nection of Algeria the limits and condition of the nection of Algeria to the minist and condition of the nection of Algeria to the manual of now of the Mighest posts. Prove the angular control of the nection of the control of the nection of the nection of the constraint of the nection of the nection of the algorithm to the Millertenane, a fathers of a local religious to the Millertenane, a fathers of a local religious to the necessary of the state of the necessary of the theory of Tense, which had cultical that the necessary of t

as he had at first Imagined, a preliment; it was estably an island. Strictly generally specifing, this island was quadribiteral, but he isles were self-regular that it was much more searly a triangle, the comparison of the sides cabilities these proportions: The sections of the right back of the Shalf, awards den miles; has contained burning from the Shalf to the chair of the contained that the contained of the contained and state that the section of the shall be also the McKitteranean, eightness miles; and staty miles of the showe of the McKitteranean staty.

what does it all mean?" exclaimed the captain, every hour growing more and more biwildered. "The will of recyclence, and we must submit."

regided. Ben Zeof, calm and undescribed. With this reflective, the two sum askerdy descended the mountain and remounted their berees. Before vesing they had reached the differences on their road they falled to discern a westige of the little road they falled to discern a westige of the little much as a remod outsige was visible on the herizor, it seemed to be armfulfalled. On the following day, the 6th of January, the

On the following day, the 6th of January, the ten men made a ferred march along the coast of the Mediterronean, which they found less altered than the captain had at first surposed; but four villages had entirely disappeared, and the headlands, mable to resist the sheek of the convenient.

had been definished from the marketed.

In the been definished from the marketed.

To reveal at the labeled had been son skey kerrs, from the marketes are more best of their government, and their government of their government, the marketes are more best for the raine of their government, I be they are what, according to the the government of their government, would have been two days and a half, had been necessive in training the besumption of their new deceasing and they had as not government.

certained beyond a doubt that they were the note human inhabitants left upon the island. "Well, sir, here you are, Gavenne General of Alarran," exchained Ben Zoof, as they reached the

Algerna!" exclaimed Ben Zoof, as they reached the goard.

"With not a soul to govern," gloomly rejoined the contain.

"How so? Do you not recken me?"
"Palace! Ben Zoof, what are you?"
"What am I? Why, I am the population."
The captain deigned no realy, but, mattering

The captain defigned no roply, but, muttering some expressions of regret for the fruitions trouble be had taken about his ronde, betook binnelf to rest.

# CHAPTER VII BEN 2009 WATCHES IN VAIN IN a few minutes the opportung opportul and him

population were askep. The grant's texts is a same, they were obliged to just up with the bat accommenter of the property of the property of the control must be conset that the equilative hardness were high on means accept the war applicable by the consoleracesses that he had hibberts were unable to eccentrally on the property of the control of the control of the control of the property of the control of the control of the theory. Taxon, far from better askensed in the theory. Taxon, far from better askensed in the theory that the control of the control of the control of the principles; and, by an effect of meany, he managed to result now governed loss which he had already of the control of the to the efficiency of the control of the control of the to the efficiency of the control of the control of the transfer of the control of the control of the control of the transfer of the control of the control of the control of the transfer of the control of the control of the control of the transfer of the control of the control of the control of the transfer of the control of the control of the control of the transfer of the control of the control of the control of the transfer of the control of the control of the control of the transfer of the control of the control of the control of the transfer of the control of the control of the control of the transfer of the control of the control of the control of the transfer of the control of the control of the control of the control of the transfer of the control of the control of the control of the control of the transfer of the control of the control of the control of the control of the transfer of the control of

or fee the distinction in the pressure of the atmosphere. He feld that his julgment was uttered to insidely lake only resulting begins were that the chain and marvels was not yet complete, and that seement, thing further might throw seeme light upon the support.

Hen Seed's first cure on the following moraing

Hen Zoof's first cure on the following morning, was to provide a good bruskfast. To use his own phrase, he was as hungry as the whole population of three million Alecrians, of whom he was the representative, and he must have enough to est. The catastropie which had overwhelmed the country had left a done eggs unrighted, and upon these, with a good dish of his famous coursous, he hoped that he and his master might have a sufficiently substantial meal. The story was rough for use, the

OFF ON A COMET

copper adillet was as bright as hands could make, it, and the besis of continued starm upon the surface of a large store alexanson pave evidence that it was supplied with vater. Ben food at once lighted a tree supplied with vater, Ben food at once lighted stacks of an old military refrain. Ever on the holsont for fresh phenomenos, Copline and the locked for fresh phenomenos, Cop-

tim Servadas watched the preparadition with a conone Tr. Branch him that perhaps the sit, in the one Tr. Branch him that perhaps the sit, in the sufficient organ, and that the store is consequence might out facilit in furnition. But so, the fire was habited just as small, and framed into vince by Neslarities just as small, and framed into vince by Nesthright situs states in press the middle of the twingsard coul. The children was deep set upon the atomthing the states in press the middle of the twingsard coul. The children was deep set upon the atomwater to short. States up the ager, he was unsprised to notice that they hardly weighted more than they would if they that then ourse them; but he was still used in the state of the state of the state of the set of the state of the state of the state of the set of the world if they that then ourse them to the was active.

had been two minutes over the fire it was at full bell.
"By Jingo!" he enclaimed, "a precious hot fire!
"By Jingo!" he enclaimed, "a precious hot fire!
is hotter," he said, "the positiarity must be in the vater." And sking down a centiliprish theremoter, which hung upon the said, by fungoid it into the skillet. Instead of 180°, the instrument rejetters

"Take my shvice, Ben Zoof," he said, "keave your eggs in the sancepan a good quarter of an hour."
"Boil them hard! That will never do," objected the orderly.
"You will not find them hard, my good follow. Trust mo, we shall be able to dip our sippets into

the voles easily enough,"

The outside was quite right to his one jecture, that this new phenomenon was caused by a diminution in the pressure of the atmosphere. Water beloing at a temperature of 60° was ideal an evidence that the cease of air above the eartiful surface had been reluced by conclude of its quantity. The idealized phenomenon would have non-reluced in summit of a mountain 50,000 feet high; and had Servidace been in postession of a flavourette, he contrast the contrast of the contrast new feet in the contrast of the contrast new feet in the contrast of the contrast of the contrast of the con-

Servatice been in possession of a harometer, he would have immediately discovered the fact that only now for the first than, as the result of experiment, revealed listed to him—fact, morrower, which accounted for the offset upon the blood-vected within thoth and file Each and experiment, as well as for the attenuation of their volces and their solotested breaking. "And yet," he agreed their solotested breaking. "And yet," he agreed picted to so preced an elevation, how is it that the son remains at its proper level?"

sea remains at its proper level?"

Once again Retur Servador, through capable of tracing consequences, felt himself totally at a less to eccurrence, felt himself totally at a less bewilderment!

After their prelonged immeration in the boiling water, the aggs were found to be only just self-ciently cooled: the consequence was were reach in the

"Oh, I think we must indulge the boye that this catastrephs has not extended for. We must trust that it has limited its minched to some small potents of the Algerian costs, and that our friends are the other control of the Algerian costs, and that our friends will be analom to investigate the full extent of the damage, and will send a vessel from Algiers to explore. It is not likely that we shall be fergotten. What you have to do then, Ben Zoof, is to keep

some condition; and Ben Zoof came to the conclu-

soon that in future he must be careful to commence

his culmary operations an hour earlier. He was

rejoiced at last to help his master, who, in spite of

his perplayed preoccupation, seemed to have a very

"Well, captain?" said Ben Zoof presently, such

"Well, Ben Zoof?" was the captain's invariable

"We can only for the present wait patiently where

"But do you approve that any of our friends are

we are. We are encamped upon an island, and

therefore we can only be rescued by sea."

remorase to his servent's formula.

"What are we to do now sir?"

should appear, to make algorith at once. "But if no vessel should appear?" sighted the orderly.

"Then we count build a best, and go in search of those who do not come in search of us."

"Very good, But what serv of a sailer are you!"

"Tryingen can he a sailer when he mus." and if the sailer was the mus." and if the sailer when he mus. I want to sail the sailer when he mus. I want to sail the sailer when he mus. I want to sail the sailer when he was a sailer when he was

days he assumed the horizon ministermitiately with his bisecope, his withdring was in viain. No slip appeared upon the desert see. "By the name of a Kalziya!" he inc'to out impatition," Alle Excellency is greenly nearligs all."
Although the dogs and nights had become reduced from tensity-four hours to twelve, Captain Berrache would not account the new condition of things, he would not account the new condition of things, the would not account the same condition of things, and are would not account the same condition of things, and are would not make the condition of the condition of the same had prices and set twelve times since the cor-

reasonment of the new year, he presisted in celline the following day the 6th of Sausary. His worlds enabled him to keep an accurate account of the passing heure.

In the course of his life, Ben Zoof and read a few books. After producting one day, he said! "It was to make, applien, that you have turned the Bohlesson Crease, and that I am your man Friday. I hope

ver, I have not become a negro."

"No," replied the captain. "Your complexion code, tent the fairnet in the world, but you are not black and yel."

I had much scoper be a white Friday than cod.

"Well, I had much scoper be a white Friday than

roa black ene," rejoined Ben Zoof.

Still no ship appeared; and Captein Servadae,
after the example of all previous Crusses, began
to consider it advisable to investigate the resource
as of his domain. The new berritory of which be had
become the moment he named Goart's Idead. It

becase the insert in minor Genrie Indian. It had a superficial area of about into hundred square miles. Ballocks, cows, goats, and sheep existed in considerable numbers; and as there seemed stready to be an abundance of sums, it was hardly likely

### AMAZING STORIES

that a future supply would full them. The condition of the cercals was such as to promise a fine inguthering of wheat, majes, and rice; so that for the governor and his population, with their two horses, not only was there ample provision, but even if other human inhabitants besides thereselves aboutd yet be discovered, there was not the remotest pros-

16

pect of any of them perishing by starvation From the 6th to the 18th of January the rain carse down in terrents; and, what was quite an unusual securronce at this season of the year seceral heavy storms broke over the Island. In suite, however, of the continual downfall, the heavens still remained veiled in cloud. Servadac, moreover, did

not fall to observe that for the season the temperature was unusually buch; and, as a matter still more surprising, that it kept steadily increasing, as though the earth were gradually and continuously approximating to the sun. In proportion to the rise of temperature, the light also assumed greater intensity; and if it had not been for the serven of vapor interposed between the sky and the island, the trradiation which would have illumined all terrestrict chierta would have been vivid beyond all procedent But weither sun, most, nor star ever appeared:

anable to identify any one point of the firmament may be more readily imagined than described. On one oceasion Ben Zoof endeavored to mitigate his reacter's impationer by exherting him to assume the resignation, even if he did not feel the indifference, which he himself experienced; but his advice was received with so energy a rebuff that he retired in all heats, abashed, to resume his watchman's duty, which he performed with exemplary perseverance. Day and night, with the shortest peosible intervals of rest, despite wind, rain, and atorm, he recented enerd men the cliff-but all in vain. Not a speck appeared upon the desolate borison. To say the truth, no vessel could have

stood against the weather. The burricane raged with tremendous fury, and the waves rose to a helebt that seemed to defy calculation. Never, even in the second era of creatour, when, under the influonce of internal heat, the waters rose in vapor to descend in delage back upon the world, could meteorological phenomena have been developed with more impressive intensity But by the night of the 13th the tempost appeared

to have spent its fury; the wind dropped; the rain ceased as if by a spell; and Servadae, who for the last six days had confined himself to the shelter of his reof, hastened to join Ben Zoof at his peak upon the cliff. Now, he thought, there night be a chance of solving his perplexity; perhaps now the huge disc, of which he had an imperfect glimpos on the night of the 31st of December, might again reveal itself; at any rate, be bound for an opportunity of observing the constellations in a clear

The night was magnificent. Not a cloud dimmed the laster of the stars, which spangled the heavens in surpassing brilliancy, and several nebulae which hitherto no astronomer had been able to discour without the aid of a telescope were clearly visible to the roked eve.

By a natural impulse, Servadar's first thought was to observe the position of the pole-star. It was

a position through which it was out of the question that the axis of the earth indefinitely prolonged could ever pass. In his impression he was more thoroughly confirmed when, an hour later, he noticed that the star had approached still pearer the borizon, an though it had belonged to one of the The pole-star being manifestly thus displaced, it remained to be discovered whether any other of the celestial bodies had become a fixed center around

in night, but so near to the herizon as to surposet

the utter impossibility of its bring any longer the

central pivot of the aidereal system; it occupied

which the constellations made their agreered daily revolutions. To the solution of this problem Servadar aredied himself with the most throughtful diligence. After patient observation, he natisfied himself that the required conditions were answered by a certain stor that was stationary not far from the horizon. This was Vega, in the constellation Lyrs, a star which, according to the precession of the equinoxes, will take the place of our pole-star 12,000 years bence. The most during imagination sould not suppose that a period of 12,000 years had been crowded into the space of a feetnight; and

therefore the eaptain came, as to an easier corelasion, to the coinion that the earth's axis had been suddenly and immeasely shifted; and from the furt that the axis, if produced, would pass through a point so litle removed above the herizon. he defrowd the inference that the Mediterranean must have been transported to the equator. Lost in bewildering more of thought, he gazed leng and intently upon the heavens. His ever wandered from where the tail of the Great Rear, now a rediscal constellation, was scarcely visible above

the waters, to where the stars of the southern herei aphere were just breaking on his view. A cry from Ben Zoof recalled him to himself. "The moon!" shouted the orderly, as though over fored at once again beholding what the poet has

called . "The kind companion of terrestrial night;" and he pointed to a disc that was rising at a spot precisely opposite the place where they would have

expected to see the sen. "The moon?" again he But Captain Servadae could not altogether enter into his servant's exthusiasm. If this were actually the moon, her distance from the earth most have been increased by some millions of miles. He was rather disposed to suspect that it was not the earth's patellite at all, but some planet with its agreemnt magnitude greatly enlarged by its approximation to the earth. Taking up the powerful field-glass

which he was accustomed to use in his surveying overations, he proceeded to investigate more savefully the luminous ech. But he failed to trace any of the lineaments, surmosed to resemble a human face, that mark the lunar surface; he falled to decipher any indications of hill and plain; nor could he make out the sorreds of light which emenates from what astronomers have designated Mount Tyche. "It is not the moon," he said slowly.

"Not the moon?" oried Ben Zoof. "Why not "" "It is not the moon," again affirmed the eartain, "Why not?" repeated Ben Zoof, unwilling to reneuros his first impression.

"Because there is a result astellite in attendance". And the acquain drew his servard's attention to a height specie, paparathy about the size of one of Jupiter's ashellite seen thought a moderate telescope, that was clearly visible just within the focus of his plane.

Here, then, was a fresh mystery. The orbit of this planet was accurately interior to the orbit of the aurh, because it accompanied the sun in its assecuted surface; we ill with the planet was accounted patients; with the planet was accounted patients; with the planet was accounted to the orbit of the earth, because it accompanied the sun in its assecuted authors; we ill was nother Moreover to the orbit of the action of the planet was accounted to the orbit of the accounted to the orbit of the action of the planet of the orbit of the accounted to the orbit of the action of the orbit of t

apparent motion; yet it was nother Mercury nor Venus, because notifier one nor the other of these has my satellite at all.

The capital stamped and stamped again with mingied vexation, agitation, and bewilderment.

"Conforced II" the cried, "If this is notifier Venus nor Mercury, it must be the meon; but if it is the most, whence, in the nurse of all the goods, has also

# picked up another meet for herself?" The captain was in dire perplexity. CHAPTER VIII

CHAPTER VIII
VENUS IN PERILOUS PROXIMITY
The light of the returning and zoon extinguished

the glary of the stars, and rendered it negacity for the captain to comptone this observation. He had sought in with for further trace of the large disc that had no excited his worder on the first and it second must probable that, in its irregular orbit, it had been correlated beyond the range of white, which is the second of the second of the conversing to the west, had such to a perfect eain. Pursuing the invested course, the sun rose and set with understaining regularity; and the skys and nights were still divided into periods of precisely.

six hours each—a sure proof that the run remained dices to the naw equator which manifestly passed through Courbi Island. Meanwhile the temperature was steadily increasing. The capitals kept his thermometers close at hand where he could repeatedly consult it, and on the 18th he found that it resistance 40° cantierance

the state in a segment was required to "configurate in Consideration of the adjoining structure, where the adjoining structure, where the states walls, that at first afforded a refuge from the torrests of rain, now formed as equally accept and solution from the burning sum. The heat was becausing insufferable, surpossing the hand of Senguence of the consideration of the consideration

all vegetation should become screened and beared of from the face of the little. In spile, however, of the protone prospectations of the little protone properties of the protone protone of the protone protone bearing the late. No remeastrances from his mester could late. No remeastrances have the citizen to discuss the would seem to require a child of tense and a lawnic remain conscientionally seeming the surface of the remain conscientional years and the protone of the remain conscientional years and the protone of the restriction of the protone of the prot

in reference to his orderly's indomitable persever

area, happened to remark that he thought he must

if by majet, and for a while a rule tare insuring a parameter circle the number. Someone and parameter circle the number of the

that he was born at Montmurtry, which was all the

some. The worthy fallow was answilling to over

that, even in the matter of heat, the tropics could be any way surpass his own much leved home.

to take effect upon the products of the soil. The

san rose rapidly in the trees, so that in the course

of a few days buds, leaves, flowers, and fruit had

come to full maturity. It was the same with the

cereals; wheat and make sprouted and ripened as

This unprecedented temperature very soon began

reasonis. The time for the even and fruit knowled and full subsultances; with that of the key said full subsultances; with that of the key said full subsultances; with the full subsultances; which is subsultances; and the leader when the

necessity of extemporating a kind of parasid for himself, otherwise he must literally have been received to death upon the exposed surmit of the cliff.

Meanwhile, Servadae was doing his utmost—it must be acknowledged, with indifferent success to recall the inserts of his ached-days. He would

she shotter from the burning are. The heat sizes must be adopted by the (Indifferent assessment and and these quantity of principal to the class of the state of the class of

hospersonity of the increased and increasing heat, there was another very conclusive demonstration that the earth had thus suddenly approached nearer to the sun. The diameter of the solar disc was now exactly twice what it ordinarily looks to the maked eye; in fact, it was precisely such as it the maked eye; in fact, it was precisely such as

was now exactly twice what it ordinarily looks to the raiked eye; in fact, it was precisely such as it would appear to an observer on the surface of the phonet Venus. The most obvious inference would therefore be that the earth's distance from the sur had been distinguished from 91,00,000 to 630,00,000. thus been destroyed, and abould this diminution of distance still continue, would there not be reason to fear that the increatini world would be carried onwards to actual contact with the sun, which must result in its total annihilation? The continuance of the splendid weather afforded Serradae every facility for observing the beavers.

Night after sight, containations in their beauty by nitrichal before in ego-ma sighthet which, to the hear swiftendow, not its are his rang, he was under the same time of the same time the same time to a sight after the same time to the same time to time with regard to such other, he could observe an experimental state of the same time to the same rate of more than 150,000,000 miles a year, and although Actions it traveling through years at the rate of more than 150,000,000 miles a year, and although Actions it traveling through years at the than the earth pres round the sum—yet such is the than the earth pres round the sum—yet such is the

taught him nothing.

Far observate was 20 with the planets. The orbits of Venns and Neurora are widthen the orbit of the orbit of the orbit of the contrast of Venns and Neurora are widthen to orbit of the orbit of the orbits of the o

That mendions have while—as Prosphere or Legistre, Resperse or Vesper, the evening star, be merring star, or the shapshown star—has zero Legistre, Resperse or the shapshown star—has zero tender of the shapshown star indifferent charges, but never shapshown star indifferent charges, but never shapshown star beams were refracted that regions of its star of the star in the shapshown star beams were refracted that regions of its star of which the shapshown star beams were refracted that regions of its star owner, and the shapshown star is shaped to be shaped to

the earth.

"And a very safe distance, too," said Ben Zoof,
when his master told him the conclusion at which
he had arrived.

"All very well for two armies, but for a couple
of rislates not quitie so ackn perhan, as you may

imagine. It is my impression that it is more than likely we may run foul of Venus," said the captain. "Plenty of air and water there, sir " inquired the orderly.

"Yes; as far as I can tell, plenty," replied Serwadse.
"Then why shouldn't we go and visit Venus?"
Servede did his best to sendsin that at the two planets were of about equal volume, and were traveling with great velocity in eppealte directions, any collision between them must be attended with the most dissectives eccesquences to one or both of them. But Ban Zeef failed to see that, even at the weest, the exhautephe could be much more serious than the collision of two railway trains.

The cuptum become compensed. "Tee side!" he approximately compensed to approximately compensed to the approximately compensed to the particle of the compensed to the particle of the compensed to the particle of the compensed to the compensed to

contracted mascles; then, in a voice of real concern, he inquired whether anything could be done to avert the columity.

"Nothing whatever; so you may go about your own business." was the cantain's brussies reisinder.

own business," was the capitalt's brusque rejoinder.
All discomfitted and herelibered, Ben Zoof retired
without a word.
During the ensuing days the distance between
the two phasels continued to decrease, and it beease more and more obvious that the earth, or her
may critic was about the gross the orbit of Versus.

Throughout, this time the earth had been making a perceptible approach towards Mercury, and that planed—which is re-nely viable in the raiked error and the maked error and the expectation of the error and the error and

most studious regard. But no danger was to be supposeded from Mercurr; with Venus only did collision appear immirent. By the 18th of January the distance between that planet and the earth had become reduced to between two and three millions of miles, and the intensity of its light cast heavy shadows from all terrestrial objects. It might be observed to turn upon its own axis in twenty-three bours twenty-one minutes on evidence, from the maltered duration of its days, that the planet had not shared in the disturbance. On its disc the clouds formed from its atmospheric vapor were plainly perceptible, as also were the seven spets, which, scronling to Bixnchirl are a chain of near. It was now visible in broad daylight. Bonsparte, when under the Directory, once had his attention called to Venus at noon. and immediately bailed it invitally recognizing it as his own peculiar star in the ascendent. Captain Servadae, it may well be imagined, did not experi-

cere the same gratifying emotion.

On the 20th, the distance between the two bodies and again sensibly diminished. The captain had counted to be straprised that no vessel had been sent to rescue himself and this companion from their strange imprisonment; the governor general and the minister of war wrate doubtless far differentially

Two days more, and the corth, shivered into a resorted atoms would be lest in broadless space? These dire forehodings, however, were not des-

tuned to be real and. Graduelly the distance between

the two planets bream to increase; the planes of

their orbits did not councide, and accordingly the

dreaded catastrophe did not groupe. By the 95th.

Venus was sufficiently remote to preclude any fur-

ther fear of callision. Ben Zoof gave a sigh of

reliaf when the captain communicated the glad in-

to demonstrate that beyond a doubt that planet has

to mann or satellite such as Cassini, Short, Mantalens of Limours, Montharron, and some other

astrommers have imagined to exist. "Had there

astrommers have imagined to exist. "Had there been such a satellite," said Servadec, "we might have contured it in passing. But what can be the

meening," he added seriously, "of all this displace-

with a top like a cap?" asked Ben Zoof.

"Do was mean the Observatory?"

Very likely: but what of that?"

a philosopher, Ben Zoof ?" he saled

"What is that great building at Paris, carbain,

"Yes the Observatory Are there not marele lies

"Let we be philosophers, and welt potiently until we can beer their explanation."

Sarrandae amilied. "The west brown what it is to he

Tare a soldier, sir " was the arrest"s prompt re-

teinder, "and I have learnt to know that 'what can't he cured must be endared."

ters which he fall he was utterly incommetent to

exclain. But an event soon afterwards occurred

About nine o'clock on the morning of the 27th,

The captain made no reply, but for a time, at least, he desisted from puzzling himself over met-

ing in the Observatory who could explain all this?"

Their proximity to Venus had been close enough

tellicomes

no nigns of smoles

"The Dobryou!" excluimed Servadas, keening blaone unmoved at his taleacore "Impossible sirl" relained Ben Zoof; "there are "The Belruque" repeated the cantain, nesitively. "The Decryns," repeated the captain, positively.
"She is under sail; but she is Count Timescheff's

He was right. If the count were on hoard, a stronge fatality was bringing him to the presence of his rival. But no longer now could Servedac reard him in the light of an adversary; electric-

stances had changed and all animosity was abserbed in the eagerness with which he hailed the prospect of obtaining some information about the recent startling and irexplicable events. During the twenty-seven days that she had been shorn, the Debryos, he conjectured, would have explored the Mediterroness, would vary probably have visited Sonin. Praces, or Italy, and accordingly would conver to Gourbi Island some intelligence from one or other of those countries. He reckened, therefore,

not only man exceptibility the extent of the late catastrophs, but uses learning its couse. Coust Timeschoff was no doubt magnetimously coming to the rescue of himself and his orderly. The wind being adverse, the Dobrons did not woke your ranid amorrow; but so the monther in

spite of a few clouds, remained colm, and the sea was quite emach, she was eachied to bold a steady course. It seemed unaccountable that she should not use her envire, as whoever was on beard, would he naturally importent to reconnecter the new island, which must just have come within their

Siene. The probability that engageted itself was that the schooner's fuel was exhausted. Serundae took it for granted that the Debrava ever, that the count, on discovering an island where he had expected to find the mainland of Africa.

would not validally be at a loss for a place of anshorners. The yacht was evidently making her way in the direction of the former mouth of the Shelif. and the captain was struck with the idea that he would do well to investigate whether there was any nultable harbor towards which he might signal

her. Zenbyr and Gallette were soon saddled, and in twenty missutes had carried their riders to the western extremity of the island, where they both dismounted and began to explore the coast. They were not long in ascertaining that on the

forther side of the point there was a small wellsheltered creek of sufficient depth to recommedate a vessel of moderate tennary. A narrow channel formed a nessage through the ridge of rocks that

protected it from the open see, and which, even in the roughest weather, would ensure the calments of its waters.

Whilst exemising the rocky sheet, the centain observed, to his great surprise, long and well-fefined rows of seaweed, which undophtedly hetokened

flood (which was caused, in all probability, hr the

proximity of the body of which the hore disc had

been so constrictions on the night of the 31st of De-

cember) the obenomenou had been gradually lesson-

CHAPTER IX INQUIRES UNSATSFIED Fast as his less could corry him. Sevendoe had made his way to the top of the cliff. It was quite that there had been a very considerable ehh and true that a years! was in sight, hardly more than flow of the waters-a thing unknown in the Mediterranean, where there is arresty any percentilds tide. What, however, seemed most remarkable, was the manifest evidence that over since the highest

Ben Zoof walked deliberately into his meeter's spartment, and, in reply to a question as to what he wanted, arresurced with the utmost composure that a ship was in sight. "A shin!" conkined Servades, starting to his feet. "A ship! Ben Zoof, you deckey! you speak as unconcernedly so though you were telling me that "Are we not philosophers, captain?" said the But the captain was out of hearing

in the earth's convexity, and the consequent limitstion of the range of vision, the rigging of the tonmasts alone was visible shove the water. This was spough, however, to indicate that the ship was a schooner-en impression that was confirmed when, two hours later, she came entirely in sight.

#### AMAZING STORIES

20 ing, and in fact was now reduced to the normal the crest of an enormous wave, and carried to a limits which had characterized it before the conheight which it is beyond my power to estimate. Some mysterious force stemed to have brought

Without doing more than note the circumstance. Servadae turned his entire attention to the Dobrysa, which, now little more than a mile from shore, could not fail to see and understand his signals. Slightly changing ber course, she first lowered her mainsail, and, in order to facilitate the movements of her belingman, soon carried nothing but her two topouls, brigantine and jib. After rounding the

Servadae by his restures was rejeting her, and was not long in entering the creek. As soon as the sucher, imbedded in the easily bottom, had made good ite holf, a boat was lowered. In a few minutes more Count Timascheff had landed on the island. Captain Servades bastened towards him. First of all, count," he exclaimed impetuouely,

before we speak one other word, tell me what has harmened." The count, whose importurbable composure presented a singular contrast to the French officer's enthusiastic vivucity, made a stiff bow, and in his Russian accent replied: "First of all, permit me to express my sururies at seeing you here. I left you on a continent and here I have the honor of finding

you on an island," "I amore you, count. I have never left the place." "I am quite aware of it, Captain Servadae, and I now beg to offer you my eincore ancionies for falling to keep my appointment with you."
"Never mind, now," interposed the ouptain; "we will talk of that by-and-by. First, tell me what has

happened." "The very question I was about to put to you. Captain Servadae." "Do you mean to say you know nothing of the

catastrophe which has transformed this part of Africa into an island !" "Nothing more than you know yourself." "But surely, Count Timsacheff, you can inform me whether upon the northern shore of the Medi-

terraneon-"Are you certain that this is the Mediterranean asked the count significantly, and added, "I have The captain stared in silent bewilderment. For some moments he seemed perfectly stupeded; then, recovering himself, he began to overwhelm the ever since the lat of January, that the sun had recen in the west? Had be noticed that the days had been only six bours lone, and that the weight of the atmosphere was an reach dissinished? Had he also served that the moon had quite disappeared, and that the earth had been in learningert basard of your ning foul of the planet Verus? Was be awere, in short, that the entire motions of the terrestrial

all these inquiries, the count responded in the affirmative. He was acquainted with everything that had transpired; but, to Servadae's increasing astonishment, he could throw no light men the cause of any of the phenomena, "On the night of the 31st of December," be said, "I was proceeding by see to our appointed place of meeting, when my yacht was suddenly caught on

was damaged, nay disabled, and we drifted entirely at the mercy of the terrible burriesne that raced during the succeeding days. That the Dobrone encaped at all is little less than a miracle, and I can only attribute her safety to the fact that she occupled the center of the vast cyclone, and consequently did not experience much change of posi-He paused, and added: "Your island is the first land we have seen." "Then let ue put out to sea at once and ascer-

about a convulsion of the elements. Our coefue

tain the extent of the disaster," cried the captala earerly. "You will take me on beard, count, will you not?" "My warht is at your cervice, sir, even should you require to make a tour round the world." "A tour round the Mediterranean will suffice for the present, I think," said the cantain, smiling,

The court shook his bead. "I am not sure," said he, "but what the tour of the Mediterranean will prove to be the tour of the world." Servadae made no reply, but for a time remained silent and absorbed in thought.

After the silence was broken, they consulted as to what source was best to pursue; and the plan they proposed was, in the first place, to discover bow much of the African coast still remained, and to carry on the tidings of their own experiences to Algiers; or, in the event of the southern shore having actually disappeared, they would make their way northwards and put themselves in communica-

tion with the population on the southern shore of Before starting, it was indigensable that the engine of the Dobryes should be repaired: to sail under canvas only would in contrary winds and rength sees be both tedious and difficult. The stock of coal on board was adequate for two months' consamption; but as it would at the expiration of that time be exhausted, it was obviously the part of prudence to employ it in reaching a port where fuel

could be repleniabed The damage sustained by the engine proved to be not very serious; and in three days after her arrival the Debryns was again ready to put to sea. Servadae employed the interval in making the count accusinted with all he knew about his small donals. They made an entire circuit of the island. and both agreed that it must be beyond the limits of that circumscribed territory that they must seek It was on the last day of January that the repairs of the scheener were convicted. A elight divinution in the excessively high temperature which had prevailed for the last few weeks, was the only apmbers had undersome a complete medification? To narrost change in the general order of things: but whether this was to be attributed to say alteration in the earth's orbit was a question which would still require several days to decide. The weather re-mained fine, and although a few clouds had accommlated, and wight have caused a triffing fall of the becometer, they were not sufficiently threatening to

Doubts now arose, and some discussion followed,

driay the departure of the Dalerens.

whether or not it was desirable for Ren Zoof to accompany his waster. Where were reviews reasons who he should be left behind, not the least imrestord being that the arkeoner had no accommode. tion for horses, and the orderly would have found it hard to part with Zenbyr, and much more with his own favorite Galette; besides, it was advisable

that there should be some one left to receive any starrover that might accepbly arrive as well as to keep an eye upon the hards of cattle which, in the dulares prospert before them might move to be the sole remouve of the survivors of the satestrucks. Altorether, taking into consideration that the errors fellow mould incore no reserved wish her remaining upon the island, the captain was induced with much rejectance to former the attendance of his servant, boxing very shortly to return and to restore him to his country, when he had apportained the solution of the receivation in which they make

On the 31st, then, Ben Zoof was "invested with governor's powers," and took an affecting leave of his master, hereing him, if charge should carry him near Mantmayter to assertely whether the baloved "mountain" had been left unmoved. Parewells over, the Dobrana was carefully steered

through the creek, and was soon upon the oven seas. CHAPTED Y

### A SEARCH POR ALGERIA

The Dolowso, a strong eraft of 200 tons harden. had been built in the farmous ablebuilding words

of the Isle of Wight. Her sea-going qualities were excellent, and would have amply sufficed for a circommunication of the plane

Count Timeschoff was himself no sailer, but had the eventest confidence in leaving the command of his yacht in the hands of Lieutenent Process, s man of about thirty years of age, and an excellent seaman. Born on the count's estates, the son of a perf who had been emarcinated long before the famous edict of the Emperor Alexander, Procops was apparely attached, by a tie of gratitude as well as of duty and affection, to his patron's service.

After an apprenticeship on a merchant ship he had entered the imperial mays, and had already reached the rank of lieutenest when the count appointed him to the charge of his own private yacht, in which he was accustomed to spend by far the greater part of his time, throughout the winter generally cruising in the Mediterranean, whilst in the summer be

The ship could not have been in better hands. The Herfarent was well informed in many matters outside the pale of his profession, and his attainments were alike creditable to himself and to the liberal friend who had given him his education. He had an excellent crow, consisting of Tipley, the engineer, four saffore named Niegoch, Tolstoy, Etker, and Penafto, and Mockel the crok. These men, without exception were all over of the count's tenants, and so tempolously, even out at sea, did they cling to their old traditions, that it mattered little to them what physical disorganization ensued, so long as

regions had pointed about 22° from the north pale. had never deviated in the least-a proof that,

although east and west had apparently changed places, north and routh continued to retain their normal position as eardinal points. The log and the comman, therefore, were now to be called upon to do the work of the sextant and chronometer, which had become utterly useless.

On the first morning of the cruise Lieutenant Proceps, who, like most Russians, spake French fuently, was explaining these peculiarities to Cap-

tain Servadae; the count was present, and the conversation perpetually recurred, as naturally it would to the obstances which remained to inexplicable to them all "It is very evident," said the liestenest, "that ever since the lat of January the earth has been

moving in a new orbit, and from some unknown cause has drawn nearer to the sun." they felt they were sharing the experiences of their "No doubt about that," said Servadac: " and I lord and master. The late astounding events, howsuppose that, having crossed the orbit of Venus, wa

by the more effect of oscillation they were carried to a height that was cuits emprecedented. M. Avano has fixed townty-five or townty-six feet as the want. from elevation ever attained by the highest waves and his astenishment would have been very great to see them rising fifty or even sixty feet. Nor did those worse in the worst way partially unfort them. selves and rebound against the sides of the yearel; they might rather he described as long undulations carrying the schooner (its weight diminished from

not the less ap from his consciousness that the count

Steam on and commun surrend the enhances stanted

castward. With a favorable wind she would see

secretly particule of his own anxiety.

the same cause so that of the water) alternately to much heights and depths, that if Cantala Sanwadow had been subject to zensickness he must have found himself in sorry plicht. As the nitching. however, was the result of a long uniform small, the yasht did not labor much harder than she would point the ordinary short storm mayor of the Mediterranean; the main incorrectionce that was experienced was the dissinction in her proper rate

For a few miles she followed the line hitherteprecumably occupied by the coast of Algeria; but no land appeared to the south. The charged nositions of the vicasta rendered them of no avail for nurroses of nautical observation, nor could Lieutenant Procone salculate his latitude and incritude by the altitude of the erro as his restonings would

be useless when applied to charts that had been constructed for the old order of things: but nevertheless, by means of the log, which gave him the rate of progress, and by the company which indiented the direction in which they more satting he was able to form an estimate of his position that was sufficiently free from error for his immediate

Happile the recent phenomera had no effect upon the company; the magnetic needle, which in these

by the diminution in the force of the earth's attraction rendering the liquid particles so busyant, that

tainly have made alexen knots an hour had not the high waves computed impeded her progress. Although ank a moderate broom was blowing the sea was rough. A circumstance to be accounted for only

have a good change of running into the orbit of not the leftiest emisseness of the city at least he Mercury "And finish up by a collision with the sun!" added visible? Surely some portion of the Cashah must still rise above the wayen? The imperial fort, too. was built upon an elevation of TEO feet. in in in-"There is no fear of that," sir. The earth has undoubtedly entered upon a new orbit, but she is credible that it should be so totally submerged. Unless some vestions of these are found. I shall begin

not incurring any probable risk of being precipitated into the sun." "Can you satisfy us of that?" asked the count. "I can, sir. I can give you a proof which I think vou will own in conclusive. If, as you surpose, the earth is being drawn on so as to be precipitated against the sun, the great easter of attraction of our system, it could only be because the contribuent and centripetal forces that cause the planets to rotate in their several orbits had been entirely suspended: in that case, indeed, the earth would rush

onwards towards the sun, and in sixty-four days and a half the catastrophe you dread would inevitably happen." "And what demonstration do you offer," asked Servadac cagarty, "that it will not harmen?" "Simply this, contain: that since the earth ontared her new order half the sixtu-form days has

already claused, and yet it is only just recently that she has crossed the orbit of Venus, hardly one third of the distance to be traversed to reach the sun. The lieutenant mused to allow time for reflection, and added: "Moreover, I have every reason to believe that we are not so near the sun as we have been. The temperature has been crudually

diminishing; the heat upon Gourbi Island is not greater now than we might ordinarily expect to find in Algeria. At the same time, we have the problem still unsolved that the Mediterranean has evidently been transported to the counterial zone." Both the count and the captain expressed themselves reassured by his representations, and observed that they must now do all in their newer to discover what had become of the vast continent

of Africa, of which, they were hitherto falling so completely to find a vestige. Twenty-four hours after leaving the Island, the Debryon had passed over the sites where Tenen, Cherchil, Koltah, and Sidi-Feruch open had been, but of these towns not one appeared within range of the telescope. Ocean reigned supreme. Licu-

tenant Process was absolutely certain that he had not mistaken his direction; the common aboved than the wind had never shifted from the west, and this, with the rate of speed as estimated by the log, combined to assure him that at this date, the 2nd of February, the schooner was in lat, 26° 49' N. and long, 5° 25' E., the very spot which eaght to have bean occupied by the Algerian capital. But Algiers, like all the other coast-towns, had apparently been absorbed into the bowels of the earth.

Captain Servadac, with clenched teeth and knitted brow stand stamle almost forcely reporting the boundless waste of water. His pulse beat fast as he recalled the friends and comrades with whom he had smort the last few waves to that wantshed city. All the images of his part life deated morn his memory; his thoughts sped away to his native

France, only to return again to wonder whether the depths of ocean would reveal any traces of the Algerian metropolis. "Is it not impossible," he marmared aloud, "that

to suspect that the whole of Africa has been suallowed in some wast abyen." Another circumstance was most remarkable. Not a material object of any kind was to be noticed floating on the surface of the water; not one branch of a tree had been seen drifting by nor one may be-

any city should disappear so completely? Would

longing to one of the numerous vessels that a month presumely had been mound in the magnificent has which stretched twelve miles across from Cape Matafuz to Point Pexade. Perhans the depths might disclose what the surface foiled to reveal and Count Timascheff, anxious that Servadac should have every facility afforded him for solving his doubts, called for the sounding-line. Forthwith, the lead was greased and lowered. To the surprisa of all, and especially of Lieutenant Peacone, the line

indicated a bottom at a nearly uniform depth of from four to five fathoms; and although the soundtwo hours over a considerable area, the differences of level were insignificant, not corresponding in any degree to what would be expected over the site of a city that had been terraced like the seats of an amphitheater. Astounding as it seemed, what afternative was left but to suppose that the Algerian canital had been completely leveled by the fixed? The sea-bottom was composed of neither rock, mod, sand, nor shells; the sounding-lead brought up nothing but a kind of metallic dust, which edittered with a strange irideacence, and the nature of

which it was impossible to determine, as it was totally uplike what had ever been known to be reised from the bed of the Mediterranean "You must see, lieutement, I should think, that we are not so near the count of Algeria as you im-agined." The liggtenant shook his head. After pendering awhile, he said: "If we were farther away I should

expect to find a depth of two or three hundred fatherns instead of five fatherns. Five fatherns! I confess I am pureled." For the next thirty-she hours, until the 4th of

February, the see was exemined and evoluted with the most unflagging perseverance. Its depth remained invariable, still four, or at most five, fathoms; end although its bottom was assistmenty dredard, it was only to prove it barren of marine The yacht made its way to lat, 36° north, by refer-

ence to the charts it was tolerably certain that she was equising over the site of the Sabel, the ridge that had separated the rich plain of the Mitidia from the sea, and of which the highest peak, Mount Bourjersh, had reached an altitude of 1,200 feet: but even this peak, which might have been expected to emerge like an injet above the surface of the sea. was powhere to be traced. Nothing was to be done but to put about, and return in disappointment to-

Thus the Dobryos regained the waters of the

fediterranean without discovering a times of the missing province of Algeria.

AN IILAND TOMB No longer then, sould there he any doubt as

to the annihilation of a considerable portion of the cology. Not merely had there been a submersion confirmed that the very bowels of the earth must have vayined and closed again upon a large torritory. Of the rocky substratum of the province it became more evident than ever that not a trace remained, and a new soil of unknown formation had

certainly taken the place of the old sandy assi-hottom. As it alteerther transcended the powers of these on board to chreidate the origin of this estantrophe, it was felt to be meumbent on them at least to ascertain its extent. After a long and somewhat wavering discussion, it was at length decided that the schooner ebould take advantage of the fourable wind and weather.

and proceed at first towards the east, thus following the outline of what had formerly represented the coast of Africa, until that coast had been lost in boundless sea Net a vestice of it all remained: from Care Mata-

fur to Tunis it had all gone, as though it had never been. The maritime town of Dellis, built like Alriera areshitheater-wise had totally disonpeared; the highest points were quita invisible; not

altitude of more than 7,000 feet. Degraring of her first the Dobress made her way at full steam towards Cape Blaze. Neither Caps Negro vor Cape Serrat was to be zeen. The town

of Bizerta, once charming in its oriental beauty, bad vanished atterly; its marabouts, or templegolf, which by reason of its narrow mouth had the semblance of a lake, all had disappeared, giving place to a vast waste of sea, the transporent waters of which, as still demonstrated by the sounding-line,

had ever the same uniform and arid bottom. In the course of the day the achooner rounded the point where, five weeks previously, Cape Blanc bad been so consposeds an object, and she was now stemming the waters of what once had been the Bay of Turos. But hey there was none, and the Arsenal, the Goletta, and the two peaks of Bog-Kournein, had all vanished from the view. Cane

Bon, too, the most northern promontery of Africa and the point of the continent nearest to the island of Sicily, had been included in the general devastation. Before the congruence of the recent product, the better of the Mediterranean just at this point had formed a studies ridge across the Straits of Libra. The sides of the ridge had shelved to so great an extent that, while the depth of water on the summit had been little more than eleven fatherns, that on either hand of the akvation was little short of a hundred fathoms. A formation such as this plainly indicated that at some remote exact Cane Bon had

been connected with Cape Furina, the extremity of Sicily, in the same manner as Cauta has doubtless Lieutenant Procope was too well acquainted with the Mediterraneon to be measure of this peculiarity.

Both Timaschaff and Servadae were much interested in watching the operations. At a sign from the lieutenant, a sailor who was stationed at the foot of the fore-shrouds dramed the sounding-lead into the water, and in reply to Procope's inquiries, reported-"Five fatheens and a flat bottom." The next sim was to determine the amount of depression on either side of the rides, and for this

whather the submarine vides still existed or

whether the sea-bottom between Sicily and Africa

had preference any modification

ings taken at each station. "Five fathoms and a fat bottom," was the unvaried amountement after each operation. Not only, therefore, was it evident that the submovered shain between Cone Roy and Case Furina no longer existed, but it was equally clear that the convulsion had capped a general leveling of the sea-bottom, and that the soil, degenerated,

as it has been said, into a metallic dust of unrecognized composition, fore no truce of the sponges. sea-anemones, star-fish, sea-nettles, hydrophytes, and shalls with which the submarine rocks of the The Dobrana now nut about and resumed her bowever, as remarkable as ever how completely throughout the voyage the sea continued to be deserted; all expectations of halling a yearel bearing

news from Europe were entirely falsified, so that be conscious of his inclution, and to believe that the achooner, like a second Nosh's ark, carried the sole survivoes of a estamity that had accembalmed the carth. On the 9th of Pehruary the Dobrana named over the site of the city of Dide, the arcient Byrena Carthage, however, which was now more com-

pletely annihilated than ever Punic Carthage had been destroyed by Scipio Africanus or Roman Carthage by Hassan the Saraero. In the evening, as the sun was sinking below the eastern borison, Captain Servadae was loanging mordily against the taffrail. From the heaven show, where stars kent peening fitfully from be-

bind the moving clouds, his eye wandered meckenissily to the waters below, where the long waves were rising and falling with the evening brance. All at once, his attention was arrested by a luminers speck straight ahead on the southern horiron. At first, imagining that be was the victim of some spectral illusion, he observed it with silent

attention; but when, after some minutes, he became convinced that what he saw was actually a distant light, he arrestled to one of the sailers, by whom his impression was fully corroborated. The intelligence was immediately imparted to Count Timascheff and the lieutenest

"Is it land, do you suppose?" inquired Servader.

"I should be more inclined to think it is a light on board some ship," replied the count. "Whatever it is, in another hour we shall know all about it," said Servadas.

\*No, captain," interpreted Ligaterant Procept; "we shall know nothing until to-morrow."

AMAZING STORIES

"What! not bear down upon it at once?" asked the count in surprise. "No, sir; I should much rather lie to and wait till daylight. If we are really near land, I should be afraid to approach it in the dark." The count expressed his approval of the lieutenant's caution, and thereupon all sail was short-

ened to as to keen the Dobrusa from making any considerable progress all through the bours of night, Few as those hours were, they seemed to those on hand at if their and much never owne. Ecorful lest the faint glimmer should at any moment coase to be visible. Heeter Servadar did not crait his nest upon the deck; but the light continued unchanged.

24

It shone with about the same derroe of luster as a star of the second magnitude, and from the fact of its remaining stationary. Procope became more and more corrinced that it was on lood and did not belong to a passing vessel.

At suzziso every telescope was pointed with keenest interest towards the center of attraction. The light, of course, had coased to be visible, but in the direction where it had been seen, and at a distance of about ten miles, there was the distinct outline of a solitary island of very small extent: rather, as the count observed, it had the appearance of being the projecting summit of a mountain all but submerged. Whatever it was, it was agreed that its true character must be ascertained, not only

to gratify their own curtosity, but for the benefit of all future navigators. The schooner accordingly was steered directly towards it, and in less than an hour had cost anchor within a few cables' lengths. of the shore

The little island proved to be nothing more than an arid rock rising abreptly about forty feet above the water. It had no outlying roofs, a circumstance that seemed to suggest the probability that in the recent convulsion it had sunk gradually until it had reached its present position of aquilibrium

Without removing his eye from his telescope, Servaries exclaimed. "There is a habitation on the place: I can see an erection of some kind quits distinetly. Who can tell whether we shall not come

across a human being?" Lieutenant Procope looked doubtful. The island had all the appearance of being deserted, nor did a companished fred from the schooner have the effect of bringing any resident to the shore. Nevertheless, it was undenishle that there was a stone hullding situated on the top of the rock, and that this

ID050Uc. The boat was lowered and manned by the four sailors; Servadac, Timascheff and Procope were outskly rowed ashore, and lost no time in commencing their ascent of the stren applicity. Then reach, ing the summit, they found their progress arrested by a kind of wall, or rampart of singular construction, its materials consisting mainly of vanes, fragments of columns, carved bus-reliefs, statues, and portions of broken stells, all niled promisencesty together without any pretense to artistic arrangement. They made their way into the enclosure. and finding an open door, they passed through and soon came to a second door, also open, which ad-

commented in the Arabian style by aculatures of

suspended a large allver lamp with a capacious reservolr of oil, in which floated a long lighted wick. the figure of which was evidently the light that had attracted Servadac's attention on the previous night "Must there not have been a custodian of the shrine?" they mustually asked; but if such there had ever been, he must, they concluded, either have field or have purished on that eventful night. Not a

indifferent execution. In the center was a tomb of

the very simplest kind, and above the torsh was

soul was there in charge, and the sole living occupants were a flock of wild cormorants which, startled at the entrance of the intruders, rose on wing, and took a rapid flight towards the south An old French prayurchook was being on the corner of the temb; the volume was oven, and

the page errored to view was that which contained the office for the celebration of the 25th of August. A sudden revelation dashed across Serendar's mind. The saleson isolation of the island tooth the over breviary, the ritual of the anciest anniversary, all combined to apprise him of the sauctity of the spot upon which he stood,

"The temb of St. Louis!" he explained, and his companious involuntarily followed his example, and made a reverential obeisance to the venerated monu-It was, in truth, the very spot on which tradition

scents that the carculated manarch came to die, a trymen had paid the homage of a plous regard The lamp that had been kindled at the memorial shrine of a saint was now in all probability the only beacon that threw a light across the waters of the Mediterranean, and even this ere long must itself expire.

There was nothing more to explore. The three together quitted the mosque, and descended the rock to the shore, whence their bost re-conveyed them to the schooner, which was soon again on her southword voyage; and it was not long before the temb of St. Louis, the only spot that had survived the

mysterious abook, was lost to view.

### CHAPTER XII AT THE MERCY OF THE WINDS As the affrickted cormorants had winged their

flight towards the south, there sprang up a sanguine hope on board the schooner that land might be discovered in that direction. Thither, accordingly, it building had reach the character of an Arabian was determined to proceed, and in a few hours after ouitting the island of the tomb, the Dabrone was traversing the shallow waters that now covered the peninsula of Dakhul, which had separated the Bay of Tunis from the Gulf of Hammamet. For two days she continued an undeviating course, and after a futile sourch for the coast of Tunis, reached

the intitude of \$4" north. Here, on the 11th of February, there suddenly arose the arr of "Land" and in the extreme harison right ahead, where land had never been before, it was true enough that a shore was distinctly to be seen. What could it he? It could not be the count

of Tripoli; for not only would that low-lying shore milited them to the interior of the mosque, consistbe quite invisible at such a distance, but it was ing of a single chamber, the walls of which were certain, moreover, that it lay two degrees at least still further south. It was soon observed that this nearly discovered land was of very irregular elevation that it extended due east and west arrows the horizon, thus dividing the gulf into two separate sections and completely concealing the island of laste which want his behind the nosition was dely traced on the Debryng's shart. "How strange" exclained Hecter Servadee "that

after sailing all this time over sea where we exneeted to find land, we have at look come upon land "Strange, indeed," replied Lieuterant Procope:

"and what sureare to me almost as remarkable in that we have never once exacht sight either of one of the Malters tartons or one of the Leventine sobers that traffic so regularly on the Mediterra-

Bean " "Eastwards or westwards," asked the count-"which shall be our course? All farther progress

to the worth is sheeled." "Westwards," by all means," replied Servedac mickly. "I am lenging to know whether anything ross Gourbt Island we might take lies Zoof on board, and then make away for Gibraltar, where we should be arre to been semathing at least of European news."

With his usual air of stately overtony. Count Times. scheff begged the captain to remaider the yacht at his own disposal, and desired him to give the lien-Lieutenant Processe, however, healtated, and after

resolving matters for a few moments in his mind. pointed out that as the wind was blowing directly from the west, and seemed likely to increase, if ther meet to the result in the teeth of the mosther the schooner would be reduced to the use of her engine only, and would have much difficulty in wairing good headsmy; on the other hand by taking an eastward course, not only would they have the advantage of the wind but under steam and energy mucht hope in a few days to he off the coast of Reyed, and from Alexandria or some other port they would have the some opportunity of getting tidings from Europe as they would at Gibraltar.

Intensely auxious as he was to revisit the province of Oran, and eager, too, to satisfy himself of the welfare of his faithful Ben Zoof, Servedac could not but own the reasonableness of the Bestemant's objections, and yielded to the proposal that the eastword opens should be adopted. The wind pave sions only too threatening of the breeze rising to a gale; but, fortunately, the waves did not culminate in comborn, but rather in a long swell which ran in the same direction as the vessel.

reached an average of 20° Cent. (or Gt' Pahr.), and accredition descended as low as 15°. That this direcination was to be attributed to the change in the earth's orbit was a question that admitted of little doubt. After approaching so near to the sun as to gross the orbit of Verus, the earth must now have of ninety-one millions of miles was greatly increased, and the probability was great that it was americanting to the orbit of Mars, that planet which in its physical constitution most nearly resambles our own. Nor was this supposition suggested merely by the lowering of the temperature;

server actually stationed on the surface of Mara these phenomera was that the earth had been properted into a new orbit, which had the form of a Very alient however in comparison was the reboard the Doorseas. All interest there was too much Absorbed in terrestrial matters, and in occurtaining

very elemented ellipse.

the areasynt disperser of the sam's dies to the pro-

sias dimensions which it would assume to an ob-

what changes had taken pince in the configuration of the earth itself, to negwit reach attention to be rold to its except movements through speed The schooner kent bravaly on her way, but well out to sea, at a distance of tun miles from land.

There was good need of this pressution, for so precinitors was the above that a yearst driver men it must inevetably have gone to poscen; it did not offer a single harbor of refuge, but, smooth and perpendicular on the walls of a fretreen it rose to a baight of two hundred, and occasionally of three bundred feet. The wayes dashed violently against its have. Upon the corneral substantum vected a massive conglomerate, the crystallizations of which rose like a forest of gigantic accomple and obelieks.

But what struck the explorers more than anything was the appearance of cinquiar newsess that peranded the whole of the ranton. It all second on recent in its fermation that the atmosphere had had no exportantly of producing its worted effect in softening the hardness of its lines, in rounding the sharmess of its angles, or in modifying the colorof its surface; its cutline was clearly marked against the sky, and its substance, smooth and polished as though fresh from a founder's maid. elittered with the metallic brilliance that is above acteristic of avrites. It seemed impossible to come to any other constraion but that the land before them, continent or island, had been upbeaved by subterranean forces above the surface of the seaand that it was mainly compound of the same metal-

lic element as had characterized the dest so fre-The extreme nakedness of the entire tract was likewice very extraordinary. Elsewhere, in various quarters of the globe, there may he sterile rocks, but there are none so adament as to be altogether unferrowed by the crevious expendent to the moist residuum of the condensed water: elecubere there may be barren steeps, but none so arid as not to afferd seems hold to vegetation. however tess and elementary may be its type; but here all was During the last fortnight the high temperature bare, and blank, and devolute-not a aymetem of

questly unlifted from the bettern

vitality was visible. Such being the condition of the adjacent had, it could hardly be a statter of surretee that all the sea-birds, the albatress, the gull, the sea-mew, sensal continual refuse on the echooner; day and night they perched fearlessly upon the yards, the report of a gun failing to disloder them, and when food of any sort was thrown upon the deck, they would dark down and fight with eagur verselly for the prine. Their extreme avidity was recognized as a proof that any land where they could obtain a

enstenance must be very remete. Onwards thus for several days the Dobryns followed the contour of the inhomitable coast, of which

### AMAZING STORIES

the festires would occasionally change, somitimes for two or three milos assuming the form of a striple servis, shraply defined as though out by a striple servis, shraply defined as though out by a line register of the striple servis as the striple servis at all along there was the same absence of beach or tract a said to make it hoses, notther were later any shallow water. At rare intervals there were some revore fisterns, but not a creak waitinh for a ship to order to replectify its order of the striple of the wall-sight every point of the company, appeals to

But after sailing two hundred and forty miles, the progress of the Delwyne was saided, arcticle, the progress of the Delwyne was saided, arcticle the cutting of the newly revoked three upon the new provided three upon the newly revoked three upon the cutting of the newly revoked three upon the a learner to their continuing their previous direction. It was, of exercis jumpaistic to consistent on the cutting of the newly revoked the newly distribution of the newly distribution of the continuity and II it research, as probably if this beyond that and II it reached, as probably if this beyond that and II it reached, as probably if this beyond the newly distribution of the newly distribution of the newly distribution of the newly distribution of the new part of

It was readwed to proceed upon the same plan as hardefore, following the boundary of the land at a safe distance. Accordingly, the boad of the Didreyse was pointed north, making draught, at I was presumed, for the seath of Europa. A hundred make, or summedst over, in their differedism, and it makes or summedst over, in their differedism, and it was consistent of Physiciation Cartherigan in Stillings. Beccans, Vandale, Greeks, Arabians, and the knights of Rhedes, though still be undertreped.

But Malin, boo, was gone; and when, upon the 14th, the seunding-line was dropped upon its site, it was only with the same result so oftentines obtained before.

The devocatation is not limited to Africa," ob-

served the count.

"Assuredly not," assented the Hentenant; adding,
"and I confess I am almost in despair whether we
shall ever ascertain its limits. To what quarter of
Europe, if Europe still exists, do you propose that

Rurope, if Europe still exists, do you propose that I ahould now direct your course?"
"To Sixoly, Italy, France!" ejaculated Servadae, eagetly,—"may where where we can learn the truth of whet hes hefullen me.

"How if we are the sole survivees?" and the count, gravely. Hector Servadac was silent; his own secret preantiment so theroughly calculded with the deathcoprressed by the count, that he refrained from any-

ing another word.
The coast, without decisation, still tended towards
the north. No alternature, therefore, remained than
to take a meterity occurs and to attempt to reach
the northern shores of the Mediterranean. On the
10th day the Deformac ensayed to start upon her
altered way, but it seemed as if the elements had
compiled to deformed the progress. A furtice
tempest error; the wind boot dood in all elements
to the control of the control of the control
of a formace on litely was necessarily very creek.

took in all sail strok his topinata, and readous level enterly on his segline. But he peri ossuid culp is increase. Restriction waves caught the increase. Restriction waves caught the increase. Restriction waves caught the period of the segline share the segline share properties of the segline share the segment that the segline share share the segment of the segme

Lieutement Procone was extremely unearr.

only has a large recort for yearge six the inboughable store present. Again and again the
soughable store present. Again and again the
soughable store present. Again and again the
period shappereck and gain a footing pure the cities
period shappereck and gain a footing pure the cities
what resources could they expect to find again that
scene of shooting? What begoe could they entertain that may portion of the old continent still exstated buyond that drawsy burrie?
It was a trying time, but throughout it all the
crew behaved with the greedest course and con-

posser; confect in the skill of their contrastile and in the skilling of their skill, the performed their duties with steediness and unquestioning chediness. But notices skill, nor courage, nor obediness could avail; all was in vain. Despite the string just spen her engine, the soboner, here of caurus (for nor even the smallest stay-and could have withstood the violence of the storm), was drifting with terrific noted towards the meaning precipies, which

were soly a few short males to levened. Pully aires to the hopoleument of their situation, the crew were all on deck.

"All over white, u, ir |" said Precept to the court.
"I have done overything that man could do; but of "I have done overything that man could do; but on the court of the court of the court of the court." I have done overything that man better we main go to pisous upon youther rooks.

"Let us, that, commend ourselves to the provi-"Let us, that, commend ourselves to the provi-

"Let us, then, commend ourselves to the providance of Him to Whom nothing is impossible," replied the court, in a calm, clear voice that could be distinctly beerd by all; and as he spoke, he reverently successed, an example in which he was followed by all the rest.

The destruction of the vessel seeming thus incritable, Lieutenant Process took the best measures be could to insure a few days' supply of food for any who might escape athors. He ordered several cases of prevaions and large of water to be brought on deel, and saw that they were securely lashed to some surrol barries to make them that a few the

ship had goze down.

Less and less grew the distance from the shere, but no creek, no inlet, could be discorned in the towering wall of cliff, which seemed about to topple over and involve them in annibilation. Except a change of wind, or, as Procore observed a supremis-

tural rifting of the rock, subling could bring diliverance now. But the wind did not rear, and in a few minutes more the schooser was hardly three cabler' distance from the fatal land. All were aware that their last moment had arrived. Suracide and the count grasped case of their hands for a long farewell; and, tossed by the tremendous wares, the schooser was on the very noist of bodg harded "Quick, born, quick! Hoist the jib, and right the helm P Sudden and startling as the unexpected orders were, they were executed as if by masic, The lieutenant, who had shouted from the how. reshed astern and took the hear, and before any one had time to meculate upon the object of his maneavers, he shouted again, "Look out! shorp!

watch the sheets?" An involuntary are broke forth from all on board. But it was no cry of terror. Right ahead was a narrow energies in the solid rock; it was hardly forty feet wide. Whether it was a passage or not, it mattered little; it was at least a refuse; and, driven

by wind and ways, the Dobrand, under the decterous suldance of the lieutenant, dashed in between its perpendicular walls. Had she not immured herself in a perpetual

### CHAPTER XIII A DOYAL SALETY

"Then I take your bishop, major," said Colonel Murphy, as he made a move that he had taken since "I was afraid you would," replied Major Oliphant, looking intently at the chess-board Such was the way in which a long silence was broken on the morning of the 17th of February by the old salendar. Another day elapsed before another move was made. It was a protracted come; it had, in fact,

already lasted some months. The viewers being on deliberate, and so fearful of taking a step without the most mature consideration, that even now they were only making the twentieth move. Both of them, moreover, were rigid disciples of the renamed Philider, who proposes that to play

ingly, not one payra had been sacrificed without a most vicereus defense. The men who were thus beguiling their leisure were two officers in the British army-Colonel

Hensana Finch Murchy and Major Sir John Terrole Oliphant. Remarkably similar in personal appearance, they were hardly less so in personal character. Both of them were about forty years of are; both of them were tall and fair, with bushe whiskers and mustuches; both of them were phiegmatic in temperament, and both much addicted to the wearing of their uniforms. They were proud of their rotionality, and exhibited a manifest dialike, verging under contempt, for everything foreign, Probably they would have felt no surprise if they had been teld that Anglo-Saxons were fishioned out of some specific play, the properties of which surpassed the investigation of chemical analysis. Without any intentional discovarement they might, in a certain way, he command to two scarscrows which, though

measure of respect, and are excellently adented to protect the territory intrusted to their guardian-English-like, the two officers, had made themselves thoroughly at home in the station abroad in which It had been their lot to be guartered. The faculty of enionization seems to be indigenous to the nation

an overwhelming catastrophe, which on the 1st of January had transformed an enermous rock, gurstoomed with well-nigh two thousand treons, into an insignificant itland for out to see. But although the transformation had been so marvelous, it cannot be said that either Colonel Murphy or Major Oliphent had made much demonstration of astonishment "This is all were poculiar, Sir John," observed the "Yes, colonel: very peculiar," replied the major.

tional standard on the surface of the moon, and it

would not be long before a colony would be estab-

company of its soldiers of the line. This party of thirteen men were apparently the sele survivers of

The officers had a servant, named Kirke, and a

"Engined will be sure to send for us," said one offerr "No doubt she will," answered the other, Accordingly, they came to the mutual resolution that they would "stick to their post,"

To say the truth, it would have been a difficult matter for the gallant officers to do otherwise; they had but one small boat; therefore, it was well that selves to patient expectation of the British ship which, in due time, would being relief. They had no fear of starvation. Their island was mined with subterranean stores, more than armsle for thirteen men-may, for thirteen Englishmen-

for the next five years at least. Preserved most, als, brandy-all were in abundance; consequently, as the man expressed it, they were in this respect "all right." Of course, the physical chappen that had taken place had attracted the notice both of officers and men. But the reversed position of east and west.

the dimination of the force of gravity, the altered rotation of the earth, and her projection upon a new orbit, were all things that gave them little evecern and no unessiness; and when the colonel and the major had replaced the pieces on the board which had been disturbed by the convulsion, any surerise they might have felt at the chess-man loaing some portion of their weight was quite forgotten in the satisfaction of seeing them retain

One phenomenou, however, did not fail to make its due impression upon the men; this was the diminution in the length of der and night. There days after the catastrophe, Corporal Pim, on behalf of himself and his comrades, solicited a formal interview with the officers. The request having been granted. Pim, with the nine soldiers, all punctilioutly wearing the regimental tunic of scarlet and trousers of invisible green, presented themselves at the door of the colonel's roots, where he and his brother-officer were continuing their cama. Raising his hand respectfully to his cap, which he wore perfectly harmiess in themselves, inspire some poised jountily over his right ear, and scarcely held on by the strap below his under lip, the corporal waited permission to speak.

After a linearing survey of the chem-board, the colonel slowly lifted his eyes, and said with official diority. "Well, men, what is it?" "First of all, sir," replied the corporal, "we want to speak to you about our pay, and then we wish

"Say on, then," said Colonel Murphy, "What is it about your pay?" "Just this, sir; as the days are only half as long as they were, we should like to know whether our pay is to be diminished in proportion." The colonel was taken somewhat aback, and did

not reply immediately, though by some algorithmat node frounds the major be indicated that he thought the question very reasonable. After a few moments' reflection, he replied, "It must, I think. he allowed that your pay was calculated from sunrise to sources: there was no specification of what

the interval should be. Your pay will engine an before. England can afford it. A hors of argreyal horst involuntarily from all the men, but military discipline and the respect

due to their officers kept them in check from any heisterens demonstration of their satisfaction. "And now, corporal, what is your business with me?" asked Major Olinhant.

"We want to know whether, as the days are only six hours long, we are to have but two meals

The officers looked at each other, and by their slaness agreed that the corneral was a man of sound "Eccentricities of nature," said the major, "cannot interfere with military regulations. It is true that there will be but an interval of an hour and

a half between them, but the rule stands good-four meals a day. England is too rich to grodge her soldiers any of her soldiers' due. Yes; four meals "Hurrah!" shouted the soldiers, unable this time

to keen their delight within the bounds of military decorum; and, turning to the right-about, they marched away, leaving the officers to renew the all-However confident everyone upon the island might

profess to be that sucror would he sent them from their native lead-for Britain never ahandons any of her sons-it could not be discussed that that succor was somewhat tardy in making its appearance. Many and various were the confectures to account for the delay. Perhans England was engrosped with domestic matters, or perhaps she was absorbed in diplomatic difficulties; or perchance, no tidines of the convulsion that had shattered the couth. The whole party throws remarkably well upon the liberal provisions of the commissariat department, and if the officers failed to show the same tendency to embospoint which was fast becoming characteristic of the men, it was only because they deemed it due to their rank to curtail any indul-

gences which might compromise the fit of their uni-On the whole, time passed indifferently well. Englishman rarely suffers from esent, and then only in his own country, when required to conform to what he calls "the humbsg of society"; and the two officers, with their similar tastes, ideas, and dispositions not on together admirably. It is not to be questioned that they were desply affected by a tounded beyond measure at finding themselves the sale survivors of a currison of 1.895 men, but with true British pinck and self-control, they had done

the only land that was visible; for about twelve relies to the couth there was exciter island, onparently the very counterpart of what was now occarried by the Englishmen. It was only natural that this should a waken some interest even in the most importurbable minds, and there was no dealt that the two officers, during one of the rare intersale when they were not absorbed in their game, had decided that it would be desirable at least to accertain whether the island was deserted, or whether it might not be occupied by some others, like themselves, survivors from the reneral satastrophe. Cortain it is that one morning, when the weather was bright and calm, they had embarled alone in the little boot, and been absent for seven or eight hours. Not even to Corporal Pim did they communicate the object of their excursion, nor say one syllable as to its result, and it could only be inferred from their manner that they were quite satisfied with what they had seen; and very shortly afterwards Major

names were missing from the mustar-roll.

The island itself, the sole surviving fragment of on engreous role of rock that had reared itself some

1,600 feet above the sea, was not, strictly speaking,

ment, which was no sooner finished than it was formally airwed and smaled with the seal of the 32rd Resiment. It was directed: To the First Lord of the Admiralty, London. seed kent to readiness for transmission by the first ship that should hall in night. But time elapsed,

and here was the 18th of February without an ouportunity having been afforded for any communicatico with the British Government. At breakfast that morning, the colonel observed to the major that he was under the most decided impression that the 18th of February was a royal

anniversary; and he went on to say that, aithough he had received no definite instructions on the subiest, he did not think that the neculiar circumprevent them from giving the day its due military The major quite concurred; and it was mutually agreed that the occasion must be honored by a

Pim must be sent for. The corporal soon made his armearance, smacking his line, having, by a ready intuition, found a pretent for a double morning ra-"The 18th of February, you know, Pim," said the

orienel; "we must have a salute of twenty-one

"Very and " realist Pim a mon of few words "And take core that your fellows don't got their arms and legs blown off," added the officer. "Very mod. sir." said the cornoral; and he made

his salute and withdraw. Of all the bombs, howitzers, and various species of artillery with which the fortress had been crowded, one solitary piece remained. This was a com-

house receipt loader of Sirch calibor, and in default of the smaller ordnance senerally employed for the purpose, had to be brought into remisition for the royal salute. A sufficient number of charges having been provided, the corporal brought his men to the reduct, was sure to send to our relief. Here is the shin." "Yes," replied the major; "she responded to our

embrasure. The two officers, in cocked hats and gun." "It is to be hoped," muttered the corporal, "that our hall has done har no damage."

Before long the hall was full in sight. A long trail of amoke betokened har to he a steamer; and very seen, by the aid of the glass, it could be ascertained that she was a scheener-yacht, and making atraight for the island. A for at her reastboad flattered in the brocce, and towards this the two officers, with the keepest attention, rementively

Simultaneously the two telescopes were lowered. The colored and the major stared at each other in And true it was that the flag that fleeted at the bead of worder must was the blue cross of Russia.

### CHAPTER XIV

When the schooner had approached the island, the Englishmen were able to make out the name "Dobruss" painted on the stern. A singoun irregularity of the coast had formed a kind of core. which, though hardly spacious enough for a few fishing-amacks, would afford the yacht a temporary suchorage, so long as the wind did not blow violently from either west or south. Into this cove the Reb. ryna was duly signaled, and as soon as she was safely moored, she lowered her four-oar, and Court Timescheff and Captain Servada: made their way

at once to land, Columel Heneage Finch Murphy and Major Sir John Temple Oliphant stood, grave and prim, formally awaiting the arrival of their visitors. Cardain

Servadae, with the uncontrolled vivacity natural to a Prenchman, was the first to speak. "A joyful sight, gentlemen!" he exclaimed. "It

will give us unbounded pleasure to shake hands again with some of our fellow-creatures. You no doubt have escaped the same disaster as curselves."

But the English officers, peither by word nor gesture, made the alightest acknowledgment of this familiar greeting. "What news can you give us of France, England, or Russia?" continued Serweise, perfectly uncons-

closs of the stolid rigidity with which his advances were received. "We are auxious to hear sawthing you can tell us. Have you had communications with Burcoe? Have you-

"To whom have we the honor of speaking?" at last intersected Colonel Murphy, in the coldest and

most measured tone, and drawing himself up to his full height "Ah! how stunid! I forest," said Servadae, with

the alightest possible shrug of the shoulders; "we have not been introduced Then, with a wave of his hand towards his cornpanion, who meanwhile had exhibited a reserve

hardly less than that of the British officers, he sald: "Allow me to introduce you to Count Wassill Timascheff."

"Major Sir John Temple Oliphant," replied the The Ressian and the Englishman meteody ex-

changed the stiffest of horse

full staff uniform, attended to take charge of the proceedings. The gun was maneuvered in strict accordance with the rules of "The Artilleryman's Maxual," and the firing commenced. Not unmindful of the warning he had received.

the corrected was most careful between each distharge to see that every vestige of fire was extinexisted, so as to prevent an untimely explosion

while the men were reloading; and accidents, such as so frequently may public rejoicings, were all happily avoided Much to the chagrin of both Colonel Murphy and Major Olinhant, the effect of the salute fell altogether short of their anticipations. The weight of

the atmosphere was so reduced that there was comparatively little resistance to the emissive force of the gazes, liberated at the carmon's mouth, and there was consequently some of the reverberation. like rolling thunder, that ordinarily follows the dis-

Twenty tisses had the gun been fired and it was on the point of being leaded for the last time, when the colonel laid his hard upon the arm of the man who had the ramed. "Stop!" he said: "we will

keys a ball this time. Let us put the range of the ricce to the test." "A good idea!" replied the major. "Corporal, you hear the orders."

In quick time an artillery-warm was on the mot. 200 Ba, which under ordinary circumstances, the earned would earry shout four miles. It was pro-

posed, by means of telescopes, to note the place where the hall first touched the water, and thus to obtain an appropriation sufficiently accurate as to the true range. Having been duly charged with powder and hall

the gun was raised to an angle of something under 45", so as to allow proper development to the curve that the projectile would make, and, at a signal from the major, the light was sputied to the priming. "Heavens?" "By all that's good!" exclaimed beth officers in one breath, as, standing open-mouthed

they hardly knew whether they were to believe the evidence of their own senses. "Is it possible?" The diminution of the force of attraction at the earth's surface was so considerable that the half had

ped beyond the normen.
"Incredible!" ejaculated the colonel. "Incredible!" echoed the major.

"Six miles at least?" observed the one "Ay, more than that!" reclied the other Awhile, they goned at the sea and at each other

in mute amazement. But in the midst of their perplexity, what sound was that which startled them? Was it mere fancy? Was it the reverberation of the sarrier still booming in their care? Or was it not truly the report of another and a distant over in answer to their own? Attentively and exercis they listened. Twice, thrice did the sound recent stacif. It was quite distinct. There could be no

"I told you so," cried the colonel, triumphently. "I knew our country would not forsake us; it is an English ship, no doobt." In half an hour two masts were visible above the horizon, "See! Was I not right? Our country

### AMAZING STORIES

vide," said the court in his ture.
"And this is Colonel Hencege Frach Murphy,"
was the major's grave rejoinder.
More howe were interchanged and the ceremony

Mere bowe were intercharged and the errenery brought to its due conclusion. It need hardly be said that the conversation had been carried on it French, a language which is generally known both by Russians and Englishmen—a circumstance that is probably in some measure to be accounted for by

The formal preliminaries of etiquette haing this complete, there was no lenger any obstacle to a free intercourse. The colonel, sugging to his greats to trace the colonel of the colonel

companied them, and all four having taken their stata, the conversation strates the eoid formatives. Erritated and disgusted at all the eoid formatives, Beeter Berveder resolved to lower all the taking to the count; sold he, quite nevers that the English max would abhave to the faction that they could be supposed to know nothing that had transpored previum to the introduction, the himself edisputed to reum to the introduction, the himself edisputed to re-

"You must be aware, gentlenees," begin the court, "that a most singular estationhee centred on the let of January lest. Its cause, its limits we have utterly failed to discover, but from the appearance of the island on which we find you kere, you have widenify experienced its downstainte con-

sequence."

The Englishmen, in silence, bowed assent.

"Captain Servadat, who accompanies me," con-

timed the cents, "has been most severely tried by the diseaster. Biggged as he was in an important mission as a staff-efficer in Algeria—..." "A Franch colony, I bellows," interpresed Major

Oliphant, half shutting his open with an expression of superme indifference. Servadee was on the point of making some enting retort, but Count Timaschoff, without allowing the

interruption to be noticed, calmiy continued his nornative:
"It was near the mouth of the Shelif that a portion of Africa, on that eventful night, was transferred into as island which alone survived: the rea-

of the visit continent disappeared so completely as if it had never been."

The announcement seemed by no means startling to the absorbation of the seemed startling

to the phiumatic colonel.
"Indeed!" was all he said.
"And where were you?" saked Major Oliphant.
"I was out at sea, coulding in my yacht hard by:

"I was out at sea, cruising in my yacht hard by and I look upon it as a mirrois, and nothing less, that I and my erew semped with our lives." "I congratulate you on your look," replied the major.
The count recorned: "It was about a month after

the Algerian coast, and had the pleasure of meeting with my previous acquaintance, Captain Servadae, who was resident upon the island with his orderly, Ben Zoof."

en Zoof."
"Ben who?" inquired the major.

"Zoof! Ben Zoof?" ejaculated Sarvadae, who could scarcely about loud enough to relieve his pentup feelings.

Legocity this shulltim of the contribute sphere

ignoring this contribute of the configurate spaces, the count went not copy: "Capital Servade was the configuration of the configuration of the conception of the common of the common of the conception of the common of the common of the comtended of the common of the common of the contended of the common of the common of the conception of the common of the common of the conception of the common of the common of the conception of the common of the common of the conception of the common of the common of the contended of the common of the common of the contended of the common of the common of the contended of the common of the common of the contended of the common of the common of the contended of the common of the common of the contended of the common of the common of the common of the comtended of the common of the common of the common of the comtended of the common of

ony or Agers, but or Agers, but a trace remained."

The celesuic curled his lip, insinating only toplasily that to him it was by no means surprising that a French colony about be wanting in the clument of stability. Beruden observed the supercilions look, and half rose to his feet, but, smatherter his resustanced task has not some without

apsaking.
"The devastation, genitereen," said the count, who persistently refused to recognize the Freezistans's irritation, "everywhere was terrible and complete. Not only was Alparia but, but there was no rates of Tainis, except one solitary reck which was crowned by an arosest temb of one of the kings of Warrane."

"Louis the Ninth, I presume," observed the colonel.
"Saint Louis," blurted out Servedae, savagely.

Colonel Murphy sightly smiled.

Proof against all interruption, Count Timascheff,
as if he had not heard it, went on without pussing.

He related how the arbonner had resthed her way.

orwards to the south, and had reached the Guif of Cabes; and how she had ascertained for certain that the Soshare See had no longer an existence. The smile of disdain again crossed the colonel's face; he could not conceal his spinion that such a destiny for the work of a Prenchman could be no

matter of surprise.

"Our next discovery," continued the count, "wom
that a new coast had been upbeaved right along in
front of the coast of Tripoli, the geological formation of which was altegether strange, and which

tion of which was altogether strange, and which extended to the north as far as the proper place of Mails."

"And Mails." eried Servade, unable to control himself any lenger: "Mails—team, forts, soldiers.

povernor, and all—has vanished just like Algeria."
For a recount a cloud rested upon the colonal's brow, only to give pince to an expression of decided incredulity.

cided incredulity.
"The statement seems highly increditie," he said.
"Increditie? repealed Servador. "Why is it that
you doubt my word?"
The containts 'ping wrath did not prevent the

oliced from replying coolly, "Because Malta belongs to England."
"I can't help that," answered Servaiac, sharply;

major. "The count reasond: "If were bout a mostle after the great disreption that I was subject, any engine the great disreption that I was subject, any engine to China. But the subject is a fit it had belonged the Algerian count, and had the pleasure of meeting. Serwise, and special to be scent; "Do were not supply the count in the worse of meeting."

think you may have made some error, count, in reckoning the bearings of your yacht?"
"No, colonel, I am quite certain of my reckonings; and not only as I beatify that Malia has dium.

stamped with race

eared, but I can affirm that a large section of the the British standard floating over the top of the Mediterranesa has been closed in hy a new continant. After the most auxious investigation, we "Pshaw!" cried Servedac, with a contemptuous enald discover only one narrow opening in all the sneer; "that flag, you know, has been boisted but coast, and it is by following that little channel that z. few short weeks "That flag has floated where it is for ages," an-

we have made our way hither. England, I fear, has suffered orieversly by the late extestrophe-Not only has Malta been entirely lost, but of the Ionian Islands that were under England's protection, there seems to be but little left." "Ay, you may depend upon it," said Servadae.

breaking in upon the conversation petalantly, your grand resident Lord High Commissioner has not much to congratulate himself about in the con-

dition of Corfu. The Englishmen were mystified.

"Corfu. did von say?" asked Major Olishant. "Yes, Corfu: I said Corfu," replied Servadae. with a sort of malicious triumob

The officers were speechless with astonishment The silence of hewilderment was broken at length by Count Timascheff making inquiry whether

nothing had been heard from England, either by telegraph or by any passing ship. "No," said the colonel; "not a ship has passed;

and the cable is broken." "But do not the Italian telegraphs assist you?" continued the count "Station! I do not comprehend you. You must

mean the Spanish, surely." "How?" demanded Timascheff. "Confound it?" cried the impatient Servadae.

"What matters whether it he Search or Italian? Tell us, have you had no communication at all from Europe?-no news of any sort from London?" "Hitherto, none whatever," replied the colonely

adding with a stately emphasis, "but we shall be sure to have tidings from England before long." "Whether England is still in existence or not, I The Englishmen started simultaneously to their

feet. "England in existance?" the colonel cried. "England! Ten times more probable that France-" "France ?" shouted Servaine in a passion. "France is not an island that can be submerged: France

is an integral portion of a solid continent. France. at least, is safe." A scene appeared meritable, and Count Timeschoff's efforts to conciliate the excited parties were of small avail "You are at home here," said Servadac, with as

much enimness as he could command; "It will he advisable. I think, for this discussion to be carried on in the own air." And hurriadly he left the room Followed immediately by the others, he led the way to a level piece of ground, which he considered by might fairly claim as neutral territory

"Now, gestlemen," he becan haughtily, "permit me to represent that, in spits of any loss France may have sustained in the fate of Algeria, France is ready to answer any provocation that affects her honor. Here I am the representative of my country,

and here, on neutral ground-"Neutral ground?" objected Colonel Murphy; "I beg your pardon. This, Captain Servador, is Eng-lish territory. De you not see the Regulah fau?" and, as he spoke, he pointed with national pride to

"An imposture!" shouted Servades, as be Recovering his composure in a degree, he continged: "Can you suppose that I am not aware that this island on which we find you is what remains of the Ionian representative republic, over which you Eng-

lish exercise the right of protection, but have no claim of government?" The colons) and the major looked at each other

in anatement Although Count Timeschoff secretiv symnathized with Servadee he had carefully refrained from taking part in the dispute; but he was on the point of interfering, when the colonel, in a greatly subdued

tone, hegged to be allowed to speak "I begin to apprehend," he said, "that you must he izherine under some stranes mistake. There is no room for questioning that the territory here is Regisad's-England's by right of conquest; ceded to England by the Treaty of Utrecht. Three times, indeed-in 1737, 1779, and 1782-France and Seals

have disputed our title, but always to no purpose. You are, I assure you, at the present moment, as much on English soil as if you were in London, in the middle of Trafalray Source It was now the turn of the cantain and the count

to look sururised. "Are we not, then, in Corfu?" they soked, "You are at Gibraltar," replied the colonel. Gibraltar! The word fell like a thunderelap up-

on their ears. Gibraltar! the western extremity of the Mediterranean! Why, had they not been sailing persistently to the east? Could they be wrong in imagining that they had reached the Ionice Is.

lands? What new mystery was this? Count Timascheff was about to proceed with a more reported investigation, when the effection of all was arrested by a loud outery. Turning round, they saw that the crew of the Dobrusa was in her dispute with the Knohish soldiers. A general aber-

cation had arisen from a disagreement between the sailor Panofica and Corneral Pim. It had transpired that the cannon-ball fired in experiment from the island had not only damaged one of the snarw of the schooner, but had broken Panofka's pipe, and, moreover, had just graved his nose, which, for a Russian's, was unusually long. The discussion over this mishap led to mutual recriminations, till

the sailors had almost come to blows with the garrisco. Servadae was fust in the mood to take Parofice's part, which drew for Major Oliphant the ramark that England could not be held responsible for any

accidental injury done by her earnon, and if the Russian's long nose came in the way of the hall, the Russian must submit to the mischance.

This was too much for Count Timescheff, and having poured out a torrent of anory invertise against the English officers, he ordered his crew to

embark immediately.

#### 32 AMAZING STORIES "We shall meet again," said Servadae, as they Servadae smiled intelligently, anticipating the

reshed off from shorp. "Wherever you please," was the cool runly. The everyanteral mystery humbed the minds of both the count and the centain, and they felt they could never rest till they had ascertained what had

become of their respective countries. They were alad to be on board names that they might resume their worsers of impostigation, and in two hours. more out of sight of the sole remotion fragment of Gibraltar.

### CHAPTER TV AN ENWINA FROM YER SEA

Lieutenant Propose had been left on board in charge of the Dobryne, and on resuming the voyage it was a task of some difficulty to make him understand the fact that had fact come to light. Some boars were spent in discussion and in attempting to peretrate the reveteries of the situation.

There were cartain things of which they were serfectly certain. They could be under no misarers. housten as to the distance they had marriagly sailed from Gourbi Island towards the east before their further progress was arrested by the unknown abere; as rearly as possible that was fifteen deerror; the length of the narrow strait by which the open sea was about three miles and a half; there around to the island, which they had been assumed on avidance that they could not dishellers. to be more the site of Gibrultar, was four degrees; while from Gibraltor to Govern Jeland was seven degrees or but little more. What was it altogether? Was it not less than thirty degrees? In that latitude, the degree of longitude represents sight and forty roles. What, then, did it all arrount to? Indobitable to less than 1 400 miles. So brief a reverse would bring the Dobryes once again to her startingnoist, or, in other words, would enable her to com-

plate the circumnavigation of the globe. How changed the condition of things! Previously, to would have involved the passage of the Sucz Genal. the Red Sea, the Indian Ocean, the Pacific, the Atlandle; but what had harmoned nam? Why Gibraltan had been reached as if it had been just at Gorfu. and some three hundred and thirty degrees of the earth's circuit had vanished atterly.

After allowing for a cortain margin of miscakulation, the main fact remained understable; and the recessary inference that Lieutenant Process drew from the round of the earth being completed in 1.400 miles, was that the earth's diameter had been refused by about Officer sixtensibs of its length.

"If that he so," observed the count, "it accounts for serve of the strange phenomena we witness. If our world has become so insignificant a spheroid. not only has its gravity dimensished, but its return speed has been necelerated; and this affords an adecuste explanation of our days and nights being thus curtailed. But how about the new orbit in

which we are moving?" He named and numbered, and then looked at Prosluctdation of the difficulty. The lieutenant heaitotad. When in a few marrents he becan to sneak. answer he was about to hear. "My contesture is," said Procope, "that a fragment of considerable magnitude has been detached from the earth; that it has carried with it on enunlose of the coutb's streoughest and that it is row transling through the salar system in an orbit

of the cortic " The honothesis was plausible; but what a multitude of bewildering speculations it entailed! If, in truth, a partain many had been broken off from the

What would be the measure of the eccentricity of its math? What would be its period round the con? Might it not, like a cornet, he carried away into the yest infinity of space? or, on the other hand, mucht it not be attenued to the great central source of light and heat, and he shourted in it? Did its orbit correspond with the place of the ecliptic? and was there no thance of its ever uniting again with the

clobe, from which it had been torn off by so sudden and violent a disruption. A thoughtful allence fell upon them all, which Servadas was the first to break. "L'enterant." he said, "your explanation is inconious, and accounts for many expensations but it argue to me that in

"How so?" replied Procone. "To my mind the theory meets all objections." "I think not." Servades answered. "In one point,

at least. It ampore to ree to breek down correlately "What is that?" sales I the Heatenant "Stop a morecut," said the contain. "Let ue see that we understand each other right. Unless I mistake you, your hypothesis is that a fragment of the earth, comprising the Mediterranean and its

shows from Gibraltar to Malta, has been developed into a new asteroid, which is started on an indemendent orbit in the salar regions. Is not that your "Procisely so." the lightenest appriesced. "Well then " continued Servadac, "it seems to me

to be at fault in this respect; it falls, and falls core pletely to second for the medicinal character of the land that we have found now encommaning this sea. Why, if the new land is a fracment of the old -why does it not retain its old formation? What has become of the granite and the calcarrous denosits? How is it that these should all be changed into a mineral concrete with which we bays no

No doubt, it was a serious objection; for, however likely it might be that a most of the earth or being detacked would be secontric in its movements there was no probable reason to be allowed why the material of its substance should undergo so complate a change. There was nothing to account for the fortile shares, rich in venetation, being truenformed into rocks arid and barren beyond precedent. The lieutenant felt the difficulty, and exceed him.

solf unprepared to give at once an adequate solution; nevertheless, he declined to renounce his theory. He asserted that the arguments in foor of it carried conviction to his mind, and that he entertained no doubt but that, in the course of time. all apparently antagonistic observaturess would be explained so as to become consistent with the view he took. He was careful however to reshe it up.

derated that with respect to the original cause of the discontion he had no theory to effect and although he knew what expansion might he the result of subtoreuses forces he did not western to new that he considered it sufficient to produce so tremendous an effect. The origin of the catestrophe

as a pressem still to be solved.
"Ah! well." said Servader, "I den't know that it matters much where our new little planet comes from or what it is made of, if only it carries France

along with it." "And Bussis " added the count

"And Russia, of course," said Servadae, with a malite how There was, however, not much room for this

been brought into existence, it must be a sphere of extremely limited dimensions, and there could be little chance that it embraced more than the morest fraction of other France or Russia. As to Engload the total counties of all telegraphic correspond tool proof that Royland was havend its coroners.

And what was the true measurement of the new little world? At Gourbi Island the days and plobts were of sonal length, and this seemed to indicate tance by which the two roles stood aroust would be half what had been reclosed would be the distance completed by the Debrana in her circuit. That distaren had been already estimated to be seenthing under 1,400 miles, so that the Arctic Pole of their recently fashioned world must be about 350 miles to the north and the Astorotic short \$50 willed to the south of the island. Compare these calculations with the man, and it is at once amorest that the northernment limit harely touched the court of Provence, while the southernmost reached to shout lat. 29" N. and fell in the heart of the dearer. The neutical test of these conclusions would be made by future investigation, but meanwhile the fact appeared very much to atrengthen the presumption that, if Lieutesant Procope had not arrived at the whole truth, he had made a considerable advance.

The weather, ever since the storm that had driven.

the Doloysu into the creek, had been magnificent. The wind continued favorable, and now under both steem and cenves, she made a repli progress towards the north, a direction in which she was free to so in consequence of the total disappearance of the Spanish coast, from Gibraltar right away to Alleante, Malaga, Almeria, Cape Gata, Cartagena, Cone Pales all were cone. The sea was rolling over the southern extent of the peninsula, so that the warht advanced to the intitude of Soville before it sighted any land at all, and then, not shores such as the shores of Andalucia, but a bloff and precipitous cliff, in its prological features recepbling exactly the stern and barren rock that she had coasted heward the site of Malto. Here the ass. made a decided indentation on the coast; it ran up in an acute-angled triangle till its oney enincided.

mostory stretching out beyond the proper places

towards it

raised a thrill of canaral excitement by aboutlor. Here, then, at length was a communication from the outer world. Surely your they would find a deep meet which would throw some light oven all the mysteries that had harmonoi? Had not the day now dawned that should set their speculations all at rest?

"A bottle in the sea!"

was the intersent interest awakened to determine

whether any matter could be traced of Materia

deviation from the direct course for the current of

It was the morning of the 21st of Pebruary. The count, the captain, the Bestemant, synrybady harried to the forecastie; the schooner was desterously not about, and all was eager impationce until the sunmound heattle was handed on dock-It was not, however, a bettle; it wrowed to be a

round leather telescope-cone, about a foot long, and the first thing to do before investigating its contests was to make a sareful examination of the exterior. The lid was fastened on hy wax, and so necurely that it would take a long promerator before any water could renetwate: there was no makes's name to be dorlphered; but impressed very plainly with a seal on the way were the two initials "P. B." When the scrutiar of the optside was festabed, the

wax was removed and the cover opened, and the tern from a common note-book. The namer had an inscription written in four lines, which were remarkable for the profusion of notes of admiration and interrogation with which they were leter-"Gallia???

Chemin parcouru de leny, à thy, \$2,000,000 1, 1 I There was a general sigh of disappointment.

They turned the paper over and over, and handed it from one to another. "What does it all mean?" explained the court. "Something mysterious herel" said Servadae.

"But yet," he continued, after a pause, "one thing is tolerably certain; on the 15th, six days ago, someone was alive to write it." "Yes: I presume there is no reason to doubt the apparage of the date," assented the court.

To this strange conglomeration of French, English, Italian, and Latin, there was no signature attached; nor was there anything to give a clue as to the locality in which it had been committed to the waves. A telescone same would rephably be the property of some one on board a ship; and the Source obviously referred to the astronomical way.

ders that had been experienced. objected that he thought it unlikely that any one on heard a ship would use a telescope-case for this pursecure; and, accordingly, he should rather be toclined to believe that the message had been set afoat

with the very spot upon which Madrid had stood. But as hitherto the sea bad engrosched upon the he same sought left alone, perchance, upon some sea; for a frowning hasdland stood out far inte the basin of the Mediterranean, and formed a pro-"But, however interesting it might be," observed the count. To know the author of the lines, to us it is of fer greater moment to ascertain their started, it would not have an orbit that must be mesming." immutable?" And taking up the paper again, he said, "Perhaps "Decidable it would, so long as it was undisturbed

we might analyze it word by word, and from its whole " "What can be the meaning of all that cluster of interponations after Gallia?" asked Servadae. Lieutenant Procope, who had hitherto not anoken. now broke his silence by saying, "I beg, gentlemen,

to salmit my opinion that this document cose warr far to confirm my bypothesis that a fragment of the earth has been precupitated into space," Captain Servadae hesitated, and then replied.

"Even if it does, I do not see how it accounts in the least for the axological character of the new asteroid." "But will you allow me for one minute to take my supposition for granted?" said Procore. "If a new little planet has been formed, as I imagine, by disin-

tegration from the old, I should conjecture that Gallia is the name assigned to it by the writer of this paper. The very notes of interrogation are significant that he was in doubt what he should

"You would prevame that he was a Frenchman?" asked the count.

"I should think so," replied the lieutenant "Not much doubt about that," said Servadae: "it is all in French, except a few scattered words of English, Latin, and Stalian, inserted to attract attention. He could not tell into whose hands the

message would fall first." "Well then," sold Count Timeschoff, "we seem to have found a name for the new world we occupy." "But what I was going especially to observe," continued the Beutenant, "is that the distance,

59,500,000 learner, represents precisely the distance we carrelyes were from the sun on the 15th. It was on that day we crossed the orbit of Mars." "Yes, true," assented the others

"And the next line," said the legiterant, after reading it aloud, "apparently registers the distance traversed by Gallia, the new little planet, in her own orbot. Her speed, of course, we know by Kepler's laws, would vary according to her distance from the sun, and if she were—as I conjecture from the termerature at that dair-on the 15th of Janpary, at her peribelion, she would be traveling twice an fast as the earth, which moves at the rate of

between 50,000 and 60,000 miles an hour "You think then," said Servadae, with a smile, "you have determined the perihelion of our orbit; but how about the aphelion? Can you form a judement as to what distance we are likely to be car-

"You are asking too much," remonstrated the "I confere" said the ligatement. That that at

of the future; but I feel confident that by careful cheerwation at various points we shall arrive at conclusions which not only will determine our path. but perhaps may clear up the mystery about our geological structure." "Allow me to ask?" said Count Timeschef "whether such a new asternod would not be subject

by the attraction of some considerable body; but we must recollect that, compared to the great planets, Gallia must be almost infinitesimally small. and so might be attracted by a force that is irreasstable. "Altogether, then," said Servadae, "see seem to have settled it to our arrive satisfaction that we must be the population of a young little world called Gallia. Perhans some day we may have the honor

of being registered among the minor planets." "No chance of that," quickly relained Lieutenant Procone. "These minor planets all are known to rotate in a narrow some between the orbits of Mars and Jupiter; in their pershells they cannot ap-

proximate the sun as we have done; we shall not he classed with them." "Our lack of Instruments," said the count, "is much to be deplored; it haffles our investigations in OVERY WAY."

"Ah, never mind! Keep up your courage, count?" said Servadae, cheerily. And Lieutenant Procope renewed his assurances that he antertained good hopes that every perplexity would soon be selved

"I suppose," remarked the count, "that we cannot attribute much importance to the last line : Ve bene All richt!/ Portait!!! The contain answered "At least it shows that wherear wrote it had no murausring or complaint

to make, but was quite content with the new order of things." CHAPTER XVI

THE RESIDUUM OF A CONTINENT

Almost unconsciously, the voyagers in the Dobrune fell into the habit of using Gallin as the name of the new world in which they became aware they must be making an extraordinary excursion through the realms of space. Nothing, however, was allowed to divert them from their estensible object of making a survey of the coast of the Mediterrancen, and accordingly they persevered in following that singular boundary which had revealed it-

self to their extreme actonishment Having rounded the great promontory that had barred her farther progress to the north, the schooner skirted its upper edge. A few more len-

rues and they ought to be abreast of the shores of France. Yes, of France. But who shall describe the feelings of Ractor Servadec when, instead of the charming outline of his native land, he heheld nothing but a solid bound-

ary of savage rock? Who shall neigh the look of constornation with which he good upon the stony rampart-rising perpendicularly for a thousand feet-that had replaced the shores of the amilian present I am not able to clear away the uncertainty south? Who shall reveal the hurning anxiety with which he throbbed to see herond that cruel wall? But there seemed no hone. Onwards and onwards the yacht made her way, and still no sign of France. It might have been supposed that Ser-

vadac's previous experiences would have prepared him for the discovery that the catastrophe which had overwhelmed other sites had brought destructo ordinary mechanical laws, and whether, once tion to his own country as well. But he had failed now he was obliged with his own eye to witness the waves of ocean realing over what once had been the leavely shows of Provence, he was well-nigh frantic with desperation.

"Am I to believe that Gourbi Ieland, that little shed of Algoria, constitutes all that is left, of our

glerous France? No, no! it cannot be. Not yet have we resched the pole of our new world. There is—there must be—smething more behind that frowning rock. Oh, that for a moment we could scale fin towering height and look beyond! By Heaves, I adjure you let us disembark, and mount be summit and exalter! Prance lies beyond!

neawan, I sagare you, see us misenteers, and mount the summit and explore! France lives beyond."

Dissembarization, however, was an atter impossibility. There was no semblance of a creek in which the Debryus could find an archerage. There was no outlying rulge on which a feeting could be sained. The precipice was perpositional as a wall.

its topmest height erowned with the name congioments of crystallized landsle that had all along been so presourced a feature, the yealt made with her steam at high presure, the yealt made rapid pregress towards the east. The weather remused perfectly fins, the temperature became gradultir cooler, so that there was little recoped of

vagous accumulating it the introopheres soid schiling more than a few cirit climost transparent veiled how and there the ofcur sours of the sky. Throughthese and there the ofcur sours of the sky. Throughlesseed in its sample climited, sout only field and convewhet uncertain backows; but at sight the atoms what superstain patients of the shared, so how with a superstain patients of the shared, as in records distance. This was the case with Mariters and the standard of the shared of the shared the orbit of the miner planets; but Jujúčez, on the the orbit of the miner planets; but Jujúčez, on the Salvara was apperly in its lastry, and Uprana, which

hitheric had been imperceptible without a telescope was pointed out by Liestenant Process, plainly visible to the nation eye. The inference was irresible that Gallais was recolong from the sun, and support to the sun of the sun of the sun of the On the 26th of February, after following the almosts corner of what before the date of the convulsion had been the coset line of the department of Var, and store a fruithous search for Hydres, the

giffs of Cannes and Josse, the Debryse arrived upon the side of the Cap of Antibes. Here, quilte insuspectedly, the explorers made the disposery that the massive wall of cliff had been reat from the top to the bettem by a narrow rift, list this dry bed of a mountain terrent, and at the base of the opening, level with the sea, was a little stread upon which there was just space com-

etrand upon which there was just space enough for their best to be hauled up.
"Joy! joy?" should Servadae, half beside himself with centroy; "we can land at last!" Count Timascheff and the licutement were scarcobless impacted than the contain, and little needed

his urgest and reposted solicitations: "One onli-Quick! Came on in time to lose!"
It was half-past seven in the macening, when they set their foot upon this untried land. The bit of extend was only a few square yards in area, quite a narrow strip. Upon it might have been recogmined scate fragments of that egyptimishin oil yelmined scate fragments of that egyptimishin oil yel-

is all normal. The roots that rested at the bettern the —just as those which formal list seize—were of the same lenedlous formation on the entire count, of the country of

eager to weit and examine these remnants of the

succent shore; they hurried on to scale the beights.

The narrow ravine was not only perfectly dry.

but manifestly had never been the bed of any moun-

never as yet born the channel of a stream, indicates were not wearling that at seem future time it would be the natural outlet of accumulated in a survey of the stream of the stream outlet of accumulated answer were fufficiently spon the surface of the free-tured roots, and the higher the elevation that was gained, the more those layers were found to increase in area and in depth.

There is a future of fresh water, the first the stream of the surface of the court to his text.

parisms, as they tolled up the precipious path, "And probably," reglied the lineutsman, "as we accord we chall find out only snow but lice. We must suppose this Gaille of uses to be a sphere, and if it is no, we must now be very close to her Arctic regions. It is true that he read is not to semdo inclined as to prolong day and night as at the poles of the earth, but he rays of the som must reach us here only very obliques, me the cold, in all likeli-"" could, do a very thing," and off streader. "Sate ""could, do you think," and stream of the ""could, do you think," and off streams."

s; "So cold, do you think," asked Servadae, "that the animal life must be extinct?"

"I do not say that, captain," asswered the lieutenant; "for, however far our little world may be 
enter the say. I do not see why list tenenter thould fall below what oversils in those 
oursalver thould fall below what oversils in those

outlying regions bayond our system where sky and air are not."
"And what temparature may that be?" inquired the captain with a shudder.
"Fourier estimates that even in those wast un-

"Fourier estimates that even in those was unfathomable traces the temperature never deceands lower than 60" below zero," said Procope. "Sixty! Sixty degrees below zero!" cried the ount. "Why, there's not a Resain could endure

n it?

"I beg your parden, count. It is placed on reced that the English have survived it, er consething
e outle approximate, upon their Arctic expeditions.
h When Captain Parry was on Maiville Island, he

alse quite approximate, upon their Artic expeditions, by When Captain Farry was on Metitile Island, he knew the thermometer to fall to —56°," said in Proceps.

As the explorers missuaced, they seemed glad to be passe from time to time, that they might recover of their breath; for the air, becoming more and more their breath; for the air, becoming more and more

ed their breath; for the air, becoming more and more
ir arrefee, made respiration comewhat difficult end
the ascent fatiguing. Bufere they had ranched any
altitude of 900 feet they naticed a sensitive diminuof tion of the temperature; but neither cold mor
fatigue destruct them, and they were resolved to
ap perseven. Fortunately, the deep strips or furrous
in the surface of the reach that made the battern

in the surface of the reach that made the battern

for two hours more that they succeeded in reaching "Though the world be shattered, hope is unimthe summit of the chill. Raperly and anxiously did they look around. To Servadas smiled faintly, and walled that he felt the south there was nothing but the sea they had rather compelled to take up the despairing cry of

traversed; to the porth, nothing but one drear, in-Servadae could not suppress a cry of dismay. Where was his belowed France? Had be existed this

36

with ice and snow, and reaching interminably to the far-off bortson? His heart suck within him. The whole region appeared to comint of nothing but the same strange, uniform mineral conglemerate cevatallizad into regular bezagonal prisms. But whatever was its geological character it was only too ovident that it had entirely replaced the former Europe could be discerned. The lovely scenery of Provence, with the grace of its rich and undusting

landscape; its gardens of citrons and oranges rising tier upon tier from the deep red soil-all, all had vanished. Of the verstable kingdom, there was not a single representative; the most meager of Arctic plants, the most insignificant of lichens could obtain no hold upon that stony waste. Nor did the animal world assert the feeblest sway. The mineral kingdom resgned supreme.

contrast to his general hilarity. Silent and tearful. he stood poon an (co-bound rock, straining his eyes across the boundless vists of the mysterious territory. "It campot be!" he exclaimed. "We must somehow have mistaken our hearings. True, we have encountered thus borrier; but France is there beword! Yes, France is there! Come, count, come! By all that's witiful I entreat you come and explore the farthest verge of the ice-bound track!"

He numbed onwards along the rarged surface of to a sudden pause. His foot had come in contact with something hard beneath the snow, and, stooping down, he picked up a little block of stony substance, which the first glance revealed to be of a peological character altogether alies to the univertal rocks around. It proved to be a frarment of discolared marble, on which several letters were

inserthed, of which the only part at all decipherable was the syllable "Vil" "VII-Villa!" he oried out, in his excitement

dropping the marble, which was broken into atoms by the fall What else could this fragment be but the sole that once had stood on this unrivated site? Was it not the residue of some edifice that had enouned the luxuriant headlands of Antihea overlooking Nice, and commanding the corpects nancrama that embraned the Muritime Alox and recoked heread

Monaco and Mentone to the Italian height of Borconvincing testimony that Antibes itself had been involved in the creat destruction? Servadac cased upon the shattered searble, pensive and disbeartened Count Timzscheff Isid his hand kindly on the captain's shoulder, and said, "My friend, do you

not remember the motto of the old Hone family?"

Dante, "All hope abandon, we who enter here." "Nex. not so," anywered the count: "for the rereent at least, let our maxim be Nil desperondum?" CHAPTER XVII

#### A SECOND ENSURA Upon re-embarking, the bewildered explorers

becan to discuse the question whether it would not Island, which was apparently the only spot in their new world from which they could hope to derive their future sustenance. Captain Servadar tried to console himself with the reflection that Gourbi Island was, after all, a fragment of a French colony. and the plan of returning thither was on the point of being adopted, when Lieutenant Processe re-

marked that they ought to remember that they had not hitherto made an entire circuit of the new aboves of the sea on which they were sailing "We have," be said, "neither investigated the porthern above from the site of Care Antibes to the strait that brought us to Gibraltar, nor have we followed the southern shore that stretches from the strait to the Gulf of Cohes. It is the old coast. and not the new, that we have been tracing; an yet, we cannot say positively that there is no outlet to the south; as yet, we cannot assert that no ossis of the African desert has escaped the estartroobe. Perhaps, even here in the porth, we may find that Italy and Sirily and the larger islands of

the Mediterranean may still maintain their exist-"I entirely concur with you" said Ownt Timescheff, "I quite think we ought to make our survey of the confines of this new basin as complete as possible before we withdraw."

Servadac, although he acknowledged the justness of these observations, easily not bein aleading that the explorations might be deferred until after a visit had been paid to Gourbi Island. "Denend upon it, eantain, was are wistaken."

replied the lieutenant; "the right thing to do in to use the Debrysa while she is available." "Available! What do you meen?" saked the

count, comewhat taken by surrelse "I mean," said Procope, "that the further this Gallia of ours recedes from the sun, the lower the temperature will fall. It is likely enough, I think, that before kny the see will be frozen over and navigation will be impossible. Already you have

learned semething of the difficulties of traversing a field of ice, and I are sure, therefore, you will acquiesce in my wish to continue our conforations while the water is still oren." "No doubt you are right, lieutenant," said the

count. "We will continue our search while we can for some remaining fragment of Europe. Who shall tell whether we may not meet with some more con-

vivors from the estastrophe, to whom it might be in our power to afford assistance, before we go into our winter quarters?"

Generous and altogether unselfish as this neutiinterest that they should become acquainted, and if possible establish friendly relations, with any strange destiny in being rolled away upon a new planet into the infinitude of space. All difference of race, all distinction of nationality, must be merged into the one thought that, few as they were, they were the sole apprising representatives of a world which it seemed exceedingly improbable that ther would ever see amon; and common series dis-

gues to inware that their asteroid should at least have a united and sympathizing population. It was on the 25th of February that the yacht left the little creek in which she had taken refuse, and setting off at full steam eastwards, she continued her way along the northern shore. A hylsk breeze tended to increase the kecouses of the temperature. degrees below zero. Salt water freezes only at a lower temperature than fresh; the course of the Dateurs was therefore unirenaded by ice but it

could not be concealed that there was the greatest necessity to maintain the utmost possible speed. The nights continued lovely; the chilled condition of the atmosphere prevented the formation of clouds: the constellations eleganed forth with unsullied luster; and, much as Lieutenant Procope, from neutical considerations, mucht recret the absence of the moon, he could not do otherwise then own that the magnificent nights of Gallia were such as must awaken the enthusiasm of an astronomer. light, the heavens were lituralisated by a superb shower of falling stars, for exceeding, both in nonber and in brilliancy, the phenomena which are commonly distinguished as the August and Nevember meteors; in fact, Gallia was nossine through that meteoric ring which is known to lie exterior to the earth's orbit, but almost concentric with it. The rocky coast, its metallic surface reflecting the glow of the dataling luminaries, appeared literally stip-

ever, was the speed at which Gallia was receding from the sun, that this metsoric storm lasted searcely more than four and twenty hours. arrested by a long projection of land, which obliged her to turn southwards, until she reached what formerly would have been the authors extressits of Carsica. Of this, however, there was now no trace; the Strait of Bonfacio had been replaced by ampearance of being atterly desert; but on the following morning the exclorery uneunestedly sighted a little island, which, unless it should prove, as was

pled with light, whilst the sea, as though spattered

erumost territory of Sardonia, The Debryng approached the land as nearly as was prudent, the boat was lowered, and in a few minutes the count and Servadae had landed upon the talet, which was a mere plot of meadow land. not much more than two acres in extent, detted here and there with a few myrtle-bushes and lentisks.

the shore. The creature had dark, almost black hair, and small curved horns, and was a specimen of that domestic breed which, with considerable justice, has gained for itself the title of "the poor man's cow." So far from being alarmed at the presence of strangers, the goat ran nimbly towards thum, and then, by its movements and plaintive cries, seemed to be enticine them to follow it. "Come," said Servadae; "let us see where it will lead us: it is more than probable it is not alone," The count agreed; and the animal, as if comprehending what was said, trotted on gently for about a hundred paces, and stopped in front of a kind of

interspersed with some ancient olives. Having ascertained as they imprined that the root was de-

void of living creature, they were on the point of

returning to their boot, when their attention was

words a solitary she-cost came bounding towards

of lentiaks. Here a little girl, soven or eight years of age, with rich brown hair and lustrous dark eves. beautiful as one of Murillo's angels, was perpang shyly through the branches. Apparently discovering nothing in the aspect of the strangers to excite her apprehensions, the child auddenly ground confidence, darted forwards with outstretched hands, and in a voice, soft and melodious as the language which she spoke, said in Itulian: "I like you; you will not hurt me, will you?" "Hurt von my child?" answered Servater. "No

indeed; we will be your friends; we will take care of you. And after a few moments' scrutiny of the pretty maiden he added: "Tell us your name, little one,"

"Nina!" was the child's reniv "Well, then, Nina, ean you tell us where we

"At Madelens, I think," said the little girl; "at least, I know I was there when that dreadful shock came and altered everything." The count knew that Madalena was close to Cap

yers, to the north of Sardinia, which had entirely disappeared in the disaster. By dist of a series with burning hallstones, shope with a phosphereof questions, he gained from the child a very inscence that was perfectly splendid. So great, howtelligent account of her experiences. She told him that she had no parents, and had been employed in taking eare of a flock of goats belonging to one of the landowners, when one day, all of a station everything around her, except this little piece of land, had been swallowed up, and that she and Marry, her pet post, had been left quite alone. She went on to say that at first she had been very frightened; but when she found that the earth did not

shake any more, she had thouled the event God and had seen made herself very happy living with Marsy. She had enough food, she said, and had been waiting for a bost to fetch her, and now a boat had come and she was quite ready to go away; only only too likely, to be of recent pririn they concluded. they must let her yout on with her; they would both like so much to get back to the old from.

"Here, at least, is one rice little inhabitant of Gallin," said Captain Servadac, as he excessed the child and conducted her to the boot Half an hour later, both Nira and Marry were

safely constered on board the warbt. It is monthern to say that they received the heartiest of welcomes. The Russian snilors, ever aggeratitions, account almost to regard the coming of the child as the apparamos of an angel; and, incredible as it was sett, more than one of them woodered whether she had vings, and amongst themselves they commonly referred to be as "the little Medona." Soon out of sight of Madakes, the Debryus for some hours, held a nouthansturity course along the

38

some born held a seathen-dirty current steep the steep born held a seathen-dirty current steep and new continent mean born formed, substituted as it was been then dol penissus, or which was a spending with the latitude of Roms, the sac took producing with the latitude of Roms, the sac took the site of the Elevani Cory; the cost making a thirty of the continent of the continent of the bods, which listy reasonables. But the based on the site of the Cory of the cost of the continent of the cost of the cost of the cost of the site of the cost of the cost

of Etna. 11.000 feet as it had reared itself above the level of the sea, had vanished atterly Another sixty leagues to the south, and the Dobrung sighted the entrance of the strait which had afforded her so providential a refuge from the tempest, and had conducted her to the fragmentary relic of Gibraltar. Hence to the Gulf of Cabes had heen already explored, and as it was universally allowed that it was unnecessary to renew the search in that direction, the lieutenant started off in a transverse course, towards a point hitherto uninvestigated. That point was reached on the 3rd of March, and thence the coast was continuously followed, as it led through what had been Tunis, across the province of Constantine, away to the oasis of Ziben; where, taking a sharp turn, it first reached a latitude of 32" N, and then returned again, than forming a sort of irregular gulf, enclosed by the sams unvarying horder of mineral concrete. This colossal boundary then stretched away for nearly 150 leagues over the Sahara desert, and, extending Morocco bad still existed, would have been its

Adapting her course to these deviations of the castillist, the Dobysos was deserting northwards, and had barrely reached the limit of the bay, when the attention of all on board was arrested by the phenomenous of a volume, at least 3,100 feet bay, its cruiter crowned with makes, which considerally its cruiter crowned with makes, which considerally its cruiter crowned with makes, which considerally "A barreling mountain!" they exclaimed.

"A barreling mountain!" they exclaimed.

"Galling, they, has goons internal beat," and Sur-

natural frontier.

vador.

"And why not, captain?" rejoined the lieutenant.

"If our asteroid has carried with it a pertion of
the old cartife atmosphere, why should it not life
wise retain something of its central first?

"Ah, well?" said the captain, shrugging his
shoulders. "I dare our there is caloric amount in

our little world to supply the wants of its population."

Geont Timascheff interrupted the alleese that followed this convenation by saying, "And now, gentleman, as our equires has brought us on our way

fellowed this conversation by saying, "And new, gentleman, as our course has brought as on our way one more more towards Giberlay, what do you say to our renewing our acquaintance with the Englishman? They will be interested in the result of our royage."

"For my part," said Servaida, "I have no desire that way. They know where to find Gowth Island; they can betala themselves thither just when they please. They have plarty of provisions. If the water freeze, 120 Magaza is no very great distance. The receptive they give us was not so ordinal that we need just correless out of the way to repeat our "What yes easy is to true," replied the count.

"What you say is too true," replied the count.
"I hops we shall show them better manners when
they condatesand to visit us."
"Ay," said Servades, "we must remember that we
are all one people now, no longer Russian, French,

or English. Nationality is actinet."

"I am sailly afraid, however," continued the count, "that as Englishman will be an Englishman ever,"

"Yes," cald the captain, "that is always their

And thus all further thought of making their way again to the little garrison of Gibrultar was But even if their spirit of courtesy had disposed them to renew their acquaintance with the British officers, there were two circumstances that just thus would have rendered such a proposal very inadvisable. In the first place, Lieutenant Procope was convinced that it could not be much longer now before the sea would be entirely frozen; and besides this, the consumption of their coal, through the sneed they had maintained, had been so great that there was only too much reason to fear that fuel would fail them. Anyhow, the strictest econover was necessary, and it was amordingly reading that the voyage should not he much prolonged. Bewould the volcanic peak, moreover, the waters seemed to exceed into a boundless ocean, and it might be a thing full of risk to be frozen up while the wacht a tring ran or risk to he from up was the years was so inadequately provisioned. Taking all these things into account, it was agreed that further in-vertigations about the deferred to a more favorable season, and that, without delay, the Dobryno should

return to Gourbi Island.

This decision was especially welcome to Rector Servedae, who, throughout the whole of the list fire werks, had been agilisted by much anxiese thought on account of the faltiful servent be had left behind.

The transit from the volcano to the island was

not leng, and was marked by only one noticeable insident. This was the fitting of a second mystericus document, in character precisely amiltar to what they had found before. The writer of it was evedently engaged upon a calculation, probably centrond from day to day, as to the mention of the results of his recisenings to the waves as the charped of communications.

nel of communications.

Instead of being enclosed in a talencope-case, it was this time secured in a preserved-ment tin, bernetically scaled, and stamped with the same initials on the wax that finitened it. The greatest care was used in opening it, and it was found to contain the following message:

"Gallis (7)
Ab sole, se I mars, dist. 78,000,000 1.1
Chamin parceurs de fév. à mars: 59,000,000 1 !
Va bene! All right! NG desperandons!
Enchanté!"

clearing up of the mystery!"
"I have no doubt, in my own mind," said the count, "that it is one of a series. It neems to me probable that they are being sent broakenst upon

the sea."
"I wender where the hare-brained sowest that
writes them can be living?" observed Servadac.
"Very likely he may have not with the fate of
"Snow's abstracted actronomer, who found himself

at the bottom of a well."

"Aye; but where is that well?" demanded the captain.

This was a question which the count was incapable of settling; and they could only speculate

afresh as to whether the author of the riddles was dwelling upon some solitary inland, or, like theresolves, was navigating the waters of the new Mediterranean. But they could detect nothing to guide

them to a definite decision. After the inguistic preparing the document for some time, Lenderman Process proceeded to American States and the statement in the statement as retiliable, be decised two important satered as president, and associately, taking its statements as retiliable, be decised two important particular and applications of the statements as retiliable, be decised two important particular and applications of the particular and processing and applications of the particular and particular and applications of the particular and the statement of the particular and t

of 33,000,000 leagues in a fortaight. Thus, in proportion as Gallia receded from the ont, so did the rate of speed diminish by which the traveled aborg the rochit; facts to be observed in purfect conformity with the known laws of celestial mechanism. "And your inference," realted the count. "My inference," replied the lieutenant, "is a conference of my surmine that we are following an

orbit decidedy elliptical, although we have not yet the material to determine its coordinately."

"As the writer adheres to the appellation of Gallis, do you not think," asked the count, "that we might call these new waters the Gallian Sea"."
"There can be no reason to the contarry, count,"

"There can be no reason to the contrary, ouns," replied the Beutemant; "and an such I will insert it upon my new chart."
"Our friend," said Servadae, "seems to be more and more gratified with the condition of things; not only has he adopted our motto. Will despress.

dues? but see how enthusiastically be has wound up with his 'Enchante?"

The conversation dropped.
A few hours later the man on watch supposped

that Gourbi Island was in night.

CHAPTER XVIII

The Debryes was now back again at the island. Her ceutie had tested from the Sist of January to the 5th of March, a period of thirty-five days (for it was loop year), corresponding to sevently days as accomplished by the new little world. Marry a time during his absence Hector Servador sone resultating fragment of Algerian soil. But his apprehensions were prouribles; Down't Island was just as he had left it, with nething ussues in its aspect, compet that a new possible color was between ing over it, at an athitate of little more than a hundred feet. As the yealt approached the share, his cloud appeared to rise and foll as if soded upon by some invisible agency, and the engine, after such-ing it carefully, perceived that it was not an assumanish and according to the source of the control of th

he should ever again set foot upon the island, and

see his faithful orderly, so that it was not without

packed as closely tectuler as a swarm of herringia, and uttering dashering and discordant ries, and which from time to time the noise of the report of a gun could be plainly distinguished. The Debryes signalized her arrival by firing her camon, and dropped anches in the little part of the running, garn in hand, towards the observe, he cleared the last ridge of roke at a single brane, and then

audiently halted. For a few seconds he stood articoliest, his eyes fixed, as if obeying the instructions of a drill engreent, on a point secon fifteen pured distant, his whole attitude indicating subpared distant, his whole attitude indicating subwish was landing, was too much fee his equationity, and durring forward, he science his moster's hand and covered it with kinne. Instead, however, of ultering any copressions of welcome or rejicing ultering any copressions of welcome or rejicing

the most vehement ejaculations, "Thieves, captaint beauthy thievest Bedouins! pirates! devils?" "Why, Ren Zood, what's the matter?" said Ser-

"Why, Hen Zoof, what's the matter?" said Servaine soothingly,
"They are thieven! downright, desperate thieven!
those infernal hirds! That's what's the matter. It

in a good thing you have core. Here have I for a whole matth been specified my proving and shet upon them, and the more I still them, the werse they get; and yet, if I were to leave them alone, we should see have a grain of core upon the island." It was some evident that the orderly had only too much cause fee sharm. The crops had rippred repolly during the excessive head of January, when

the orbit of Gillis was being traversed at the perhelice, and were now exposed to the depreciation of many thousands of birds; and although a possily number of stanks attended the industry of Fen Zoed during the time of the Dobrysca's wayse, it was only to apparent that the potino of the harvest that remained ungathered was liable to the most miniment tak of being utterly devoured. If was,

that remained ungathered was liable to the most imminent risk of being utterly devoured. It was, perhaps, only natural that this clustered mass of hirds, as representing the whole of the feathered tribe upon the surface of Gallia, should resert to Geyrib Island, of which the meadows seemed to be the only apot from which thay could get sustemans at all: but as this sustemence would be obtained as at all: but as this sustemence would be obtained as

the expense, and probably to the serious detriment, of the human population, it was absolutely necessary that every possible resistance abould be made

say that every possible resistance should be made to the devantation that was threatened. Once satisfied that Servadoc and his friends would encourate with him in the vaid mon "the thieres." Hen Yord become colm and content and beauti to could then be obtained: it would therefore he seems. make various inquires. "And what hes become." sary, if the exact duration of Gallia's year should he said, "of all our old comrades in Africa?" ever be calculated, to promoction the number of "As for on I can tell non" exampled the contain animals to be reserved to the real length of the "As far as I can tell you," answeren the captuin,
"they are all in Africa still; only Africa isn't by The next thing requisits was to arrive at a true

any manny where we expected to find it." "And Person! Montmarter?" continued Ban Zeof correly. Here was the cry of the near fellow's

As briefly as he could, Serveduc endeavoyed to evenium the true condition of thines: he tried to communicate the fact that Paris Prance Parents ney, the whole world was more than sighty millions of learner owner from Gorehi Island: an orretty and

coutleasts as he could be expressed his fear that they might never see Europe, France, Paris, Meet-"No. ro. sir!" wrotested Ban Zoof emphatically: "that is all november. It is altogether out of the

question to suppose that we are not to see Montmartre again." And the orderly shook his head resolutely, with the air of a man determined, in spite of argument, to adhere to his gwa opinion. "Very great my brown fellow," regited Servadar.

Those on home while you may. The meanure homcome to us over the sea. 'Never despoir's but one thing pararthalans is curtain; we must forthwith commence arrangements for making this island our permarent home."

which, he his serrunt's exertions, had been entirely rebuilt. and here he did the honors of his readest establishment to his two guests, the count and the Sectionant, and gave a welcome, too, to little Ning. who had necommented them on above and between when and Ben Zoof the most friendly relations had

olyondy been entablished. The adingent hallding continued in mand preserve. tion, and Captain Servadac's actisfaction was very great in finding the two burses, Zephyr and Galette.

party proceeded to a general consultation as to what stors must be taken for their future welfare. The most recasing matter that come before them was the consideration of the means to be adopted to enable the inhabitants of Gallia to survive the terrihis cold, which, in their ignerance of the true eccentricity of their orbit, might, for aught they knew, last for an almost indefalte period. Fuel was far from abundant; of coal there was none; trees and shruts were few in number, and to cut them down to proppert of the cold second a very questionable policy; but there was no doubt that scene expedient rount be devised to newwest disnoter.

The victualing of the little colony offered no immediate difficulty. Water was abundant, and the cisterns could hardly fall to be replenished by the numerous atreams that meandered along the plains; regresser, the Gallier See would are long be from over, and the melted lee, (water in its congealed state being diensted of every norticle of sait) would afford a supply of drink that could not be exhausted. The crops that were new ready for the harvest, and the fireke and hards seattered over the island, would form an ample reserve. There was little doubt that throughout the winter the soil would remain unproductive, and no fresh folder for demestic animals

estimate of the number of the someletion. Without including the thirteen Englishmen at Cibralian. about whom he was not particularly disposed to else bireast much concern at present, Sarvadar nut down the names of the eight Russians, the two Promobines and the little Italian old slowe in all so the entire list of the inhabitants of Gourbs ha-

"Oh, nardon me," interposed Ben Zoof, "you are reintaking the state of the case altogether. You on the island is double that. It is twenty-two." "Daught dwn!" exclaimed the centain: "Iwentytwo people on this island? What do you mean?"

"The apportunity has not occurred," answered Ben Zeof, "for me to tell you before, but I have had "Euplaim vegrealf. Ben Zoof," sold Servulae. "What company have you had?"

"You could not suppose," replied the orderly. "that my own unessisted bards good have notice, plished all that harvest work that you see has been done." "I confers," said Lieuterant Procops, "we do

not seem to have noticed that." "Well, then," said Ben Zoof, "if you will be good enough to come with me for about a mile, I shall he able to abow you my companions. But we must tales our gens." "Why take our guns?" saked Servedac, "I hope

we are not going to fight." "No not with man" said Ren Youf- Must it does not answer to throw a chance away for giving battle to those thieres of birds." Leaving little Ninz and her goat in the goarhi, comfortably housed in there and in good condition. After the enjoyment of some refreshment, the Servadac, Count Timescheff, and the lieutenant,

greatly mystified, took up their gans and followed the orderly. All along their way they made unaporing almoster of the hirds that hovered over and around them. Nearly every species of the foothered tribe seemed to have its representative in that living cloud. There were wild ducks in thousands; snipe, larks, rooks, and swallows; a countless variety of sea-birds-widgeons, guils, and seamens: beside a quantity of game-quals, partridges, and woodcocks. The sportsmen did their best; every shot told; and the descretators fell by dozen on

Instead of following the northern shore of the island, Ben Zoof out obliquely across the pinin. Making their progress with the unwouted rapidity which was attributable to their specific lightness. near a grove of sycamorer and escaleptan massed

either band.

in micturescop confusion at the base of a little bill. "Ab! the varabonds! the rescale! the thiswa?" auddealy exclaimed Ben Zoof, stamping his foot

with rear. "How now? Are your friends the birds at their pranks again?" asked the captain. "No. I don't mean the hirds: I mean those larr hereure that are ablifulny their work. Look here-

you to see justice donn!"

The captain glanced inquiringly towards Ben

Zoof, and the orderly, by a significant nod, made

his master understand that he was to play the part

that was implied by the title. He took the one, and

promptly ordered the Jew to hold his tongue at

once. The man bowed his head in service submis-

of about fifty, but from his amearance might well

have been taken for at least ten years older. Small

and skings, with even bright and curning, a booked

nose, a short yellow beard, unkempt hair, huge feet,

and long bony hands, he presented all the typical

characteristics of the German Jew, the heartless

wilr usurer, the hardened miner and skinflint. As

iron is attracted by the magnet, so was this Shy-

lock attracted by the sight of gold, nor would he have hesitated to draw the life-blood of his credi-

His name was Issue Hakkshot, and be use a no.

tive of Cologne. Nearly the whole of his time,

however, he informed Captain Servadar, had been

anest upon the see, his real huniness being that of

a merchant trading at all the ports of the Med

iterrances. A tarten, a small years of two handred tons burden, conveyed his entire stock of merchan

dise, and, to say the truth, was a sort of floating

emporium, conveying nearly every possible article of commerce, from a lucifor match to the radiant

fabrics of Frankfort and Enical. Without wife

or children, and having no nottled home. Issue Bak-

kabut lived almost entirely on board the Hansa, as

he had named his tartan; and engaging a mate, with

tors, if he such means he could secure his claims,

Servadae surveyed him injurely. He was a man

sion, and folded his hands upon his breast

to some stythes, and sickles, and other involvements of hasbandry that had been left upon the ground. "What is it you mean?" asked Servadac, getting somewhat imputiont. "Hush, hush! listen!" was all Ben Zood's reply; and he raised his finger as if in warning,

Listening attentively, Servadac and his associates could distinctly recognize a human voice, accompanied by the notes of a guitar and by the measured

click of castanets. "Spaniards?" said Servadac. "No mistake about that, sir," replied Ben Zoof; "a Speniard would ruttle his castonets at the connon's mouth."

"But what is the meaning of it all?" asked the captain, more pussed than before. "Hark!" said Ben Zoof; "it is the old man's turn."

And then a voice, at once gruff and harsh, was heard vociferating, "My money! my morey! when

will you pay me my money? Pay me what you own me, you miserable moios." Meanwhile the sour continued:

"Tu candanga y sigarro, Y som cama de Jerez, Mi jasseloo w sen trabuca.

Servadso's knowledge of Guscon enabled himpartially to comprehend the rollicking tenor of the Spanish patriotic sir, but his attention was again arrested by the voice of the old man growling pay-

agely, "Pay me you shall; yee, by the God of Abraham, you shall pay me."

"A Jew?" exclaimed Servadae. "Av. sir. a German Jew." said Ben Zoof. The party was on the point of entering the thicket, when a singular spectacle made them pours. A erous of Spaniards had just become descine their national fundamen and the extraordinary lightness which had become the physical property of every object in the new planet made the dancers bound to

a height of thirty feet or more into the air, considerably above the tops of the trees. What followed was irresistibly comic. Four sturdy major had dragged along with them an old man incapable of resistance, and compelled him, noticus volens, to and discovering above the bank of foliage, their systema estitudes combined with the nitiable countenance of their helpless victim, could not do otherwise than recall most forcibly the story of

Sancho Parma toosed in a blanket by the merry drapers of Segovia. Servadae, the count, Procope, and Ren Zoof now proposaled to make their way through the thicket until they came to a little clade, where two men were stretched idly on the grass, one of them playing the guitar, and the other a pair of custanets; both were exploding with innehter, as they ureed the performers to greater and yet greater exertions in the dance. At the sight of strangers they paused in their music, and simultaneously the dancers. with their victim, alighted gently on the sward Breathless and half exhausted as was the Jew be rooked with an effort towards Servadao, and

exclaimed in French, marked by a strong Toutonic accent, "Oh. my Lord Governor, help me, help!

These reseals defraud me of my rights; they reb

On the eventful night of the 1st of January the

a corw of there men, so being adequate to week so light a craft, he cruised along the coasts of Algeria, Tunis, Egypt, Turkey, and Greece, visiting more over, most of the barbors of the Levent. Careful to be always well supplied with the products in most general demand-coffee, spray, rice, tchaceo. cotton stuffs, and gunpowder-and being at all times ready to barter, and prepared to deal in seevable wealth

condhand wares, he had contrived to amous consid-Hanna had been at Couts, the roles on the coast of Morocco exactly opposite Gibraltar. The mate and three sailors had all gone on shors, and, in common with many of their fellow-creatures, had entirely disappeared; but the most projecting rock of Couts had been undisturbed by the general entastrophe, and half a score of Spaniards, who had happened to be upon it, had escaped with their lives. They were all Andalusian major, agricul tural laborers, and naturally as careless and apa thetic as men of their class usually are, but they could not belo being very considerably embarroaned when they discovered that they were left in soli-

tude upon a detached and inolated rock. They took what mutual counsel they could, but became only more and more perplexed. One of them was ramed Negrete, and he, as having traveled semewhat more than the rest, was tacitly recognized as a sort of

leader; but although he was by far the most enlightened of them all, he was quite incapable of forming the least conception of the nature of what had occurred. The one thing upon which they could not full to be conscious was that they had

#### no prospect of obtaining provisions, and consequ by their first business was to devise a scheme for getting away from their present abode. The House was lying off shore. The Spaniards would not have

AMAZING STORIES

this," he said.

at present imagine."

had the absolutest henitation in summarily taking regarding of her, but their after inversers of seamanship made them rejuctantly come to the courts. sion that the more prudent policy was to make terms with the owner.

And now eams a singular part of the story. Negreto and his compenious had meanwhile reonixed a visit from two English officers from Gibraltar. What possed between there the Jew did not know he only know that immediately after the ownclusion of the interview. Nearete came to him and ordered him to set sail at once for the nearest point of Moronco. The Jew afraid to dispher, but with his eye ever upon the main chance, stipulated that at the end of their varage the Spaniards should pay

for their passage-terms to which, as they would to any other, they did not derour, knowing that they had not the ellichtest intention of giving bim a The Hanna had weighed eachor on the fird of Rebrustry. The select bless from the usest and consequently the working of the tartan was easy stough. The unpracticed sailers had only to hoist

their soils and though they mere suits presentation of the fact, the breeze carried them to the only spot upon the little world they occupied which could atford them a refuge. Thus it fell out that one morning Ben Zoof, from

My brokent on Carabi Island saw a ship not the Delruns, appear onen the horizon, and make quietly down towards what had formerly been the right

Such was Res Zoof's version of what had cocurred, as he had gathered it from the pere-comers, He wound up his recital by remerking that the carro of the House would be of immense service to them; he expected, indeed, that Issue Hakkabut would be difficult to manage, but considered there could be no harm in appropriating the goods for

the common welfare, since there could be no opportunity pay for selling them. Ben Zood added, "And so to the difficulties betunes the Jew and his passengers. I tald him that

the governor general was absent on a topy of inspecture, and that he would see everything equitably Smiling at his orderly's tactics, Servadao turned to Hakkaber, and told him that he would take care

that his civines should be July investigated and off proper demands should be paid. The man appeared satisfied, and, for the time at least, designed from his complaints and impartunities

When the Jew had retired. Count Timuscheff asked "But how in the world can you ever make those fellows may anything?"

"They have lots of money," said Ben Zoof, "Not likely," replied the count; "when did you ever know Spaniards like them to have lots of

"But I have seen it moved," said Ben Zoof; "and it is English money." 18 Angusa money." again reverted to the extersion made by the colone and the major from Gibraltar, about which they had of France, Russia, Italy, Spain, and Russiand. Reen. Germany may be said to have a representative in "And even in him," said Servadee, "nerhans we shall not find so indifferent a representative as we CHAPTED TIT

been so reticent. "We must inquire more about

"Altorethes I think the countries of Europe are

only a fragment of a world, but it contains natives

fairly represented by the normation of Gallia

the nerson of this miserable Jew."

Then, addressing Count Timoscheff, he added.

"True, contain," anyward the court: "we have

GALLIA'S GOVERNOR GENERAL

The Spaniards who had arrived on board the Heres consisted of nine men and a led of twelve years of age, named Pable. They all received Cantain Servadac, whom Ben Zoof Introduced as the

covernor concret, with day respect, and returned anishin to their converts tooks. The exectals and his friends, followed at some distance by the sager Jew. soon left the clade and directed their steps towards

the coast where the House was record As they work they discussed their situation. As far as they had asperisined, except Gourbi Island. the sale supplieds a functionate of the Old World were

four small islands: the bit of Gibraltar occurried by the Englishmen; Ceuts, which had just been left by the Spaniards; Madelens, where they had nicked um the little Italian girl; and the nite of the terch

flee, which congressly computed shoot conhelf of the Mediterranean, the whole being encompassed by a barrier like a framework of precipitous cliffs.

of an origin and a substance althe unknown. habited: Gibraltar, where the thirteen Englishmen were amply provisioned for some years to come, and their own Gourbe Island. Here there was a population of twenty-two, who would all have to

naturally sensor the variously products of the coll. It was indeed not to be forgotten that, perchance, upon some remote and undiscovered late there might be the solitary writer of the resisteriess parent which they had found, and if so, that would raise the

census of their new asteroid to an apprepate of thirty-six Even upon the supposition that at some future date the whole population should be compelled to

units and find a posidence upon Courts Telenal there did not appear any reason to question but that sight bundred sores of rich soil, under good management, would yield them all an ample sus-

tenance. The only critical matter was how long the cold season would last; every bone depended upon the land again becoming productive; at present, it seemed impossible to determine, even if Gallia's orbit were really elliptical, when she would reach her exhalion, and it was consequently neces-

sary that the Gallians for the time being should ruckon on nothing beyond their actual and present These resources were, first, the provisions of the Dobruse, consisting of preserved most, snear wine.

a grim elemificance.

which, sooner or later, the owner, whether he would or not, must be compelled to surrender for the comanimal and vegetable, which with proper economy might be made to last for a considerable period. In the course of the conversation, Count Timaschaff took an opportunity of saving that, as Captain Servadac had already been presented to the

Spaniards as governor of the island, he thought it advisable that he should really assume that position. "Every body of men." he observed, "room have a head, and you, as a Frenchman, should, I think, take the command of this fragment of a French colory. My men Lean answer for it are quite necpared to recognize you as their superior officer."

"Most unhesitatingly," replied Servadae, "I socept the post with all its responsibilities. We understand each other so well that I fell sure we shall try and work together for the common ened; and even if it he our fate never again to hehold our follow creatures. I have no misgivines but that we

shall be able to cope with whatever difficulties may he before us As he stoke, he held out his hand. The count took it, at the same time making a slight bow. it was the first time since their meeting that the two men had shoken hande; on the other hand, not o single word about their former rivalry had ever

escaped their lips; perhaps that was all forgotten The silence of a faw moments was broken by Servadae saying, "Do you not think we ought to explain our situation to the Scentants?"

"No, no, your Excellency," hurst in Ben Zood, emphatically; "the fellows are chicken-hearted snough siready; only tell them what has harmened. and in sheer despondency they will not do another stroke of work."

"Besides," said Lieutenant Procope, who took very much the same view as the orderly, "they are so miserably ignorant they would be sure to misunderstand von." "Understand or misunderstand," replied Serva-

dec. "I do not think it matters. They would not care. They are all fatalists. Only give them a guitar and their eastangts, and they will seen forget all cars and surjety. For my own part, I must adhere to my belief that it will be advisable to tell them everything. Have you any opinion to offer,

count?" "My own opinion, exptain, coincides entirely with years. I have followed the plan of explaining all I could to my men on board the Dobrune, and no inconvenience has arisen."

"Well, then, so let it be," said the exptain; adding "It is not likely that these Spanismis are an irrors re as not to have noticed the change in length of the days; neither ean they be unaware of the physical

changes that have transmired. They shall certainly be told that we are being carried away into unksown regions of engo, and that this island is nearly all that remains of the Old World." "Ha! ha!" larghed Ben Zoof, aloud: "it will be fine growt to watch the old Jew'e face, when he is made to comprehend that he is flying away millions and millions of leagues from all his debtars," Isaac Hakkabut was about fifty yards behind and

an exposed hav, protected but harely by a few recosection rocks, and in such a position that a gale rising from the west would inevitably drive her on to the land, where she must be dashed in mores. It would be the height of folly to leave her in ber present moorings; without loss of time she must he brought round to the month of the Shellf, in The consciousness that his tartan was the applicat

immediate proximity to the Ressian yacht. of discussion made the Jew give way to such wehe-

soon alongside the fleating emporium, aware that both the tarten and her caren were in a perfect state of preservation. In the hold were sugar-loaves by bundreds, chests of tea, burn of

coffee, hogsbeads of tabacco, pipes of wine, casks of brandy, harryls of dried herrings, bales of cotton, ciothing of every kind, shoes of all cises, care of various share, tools, household openeds, chine and earthenware, reams of paper, bettles of ink, house of lucifer matches, blocks of salt, barn of perpenand spices, a stock of hage Dutch cheeses, and a collection of almanaes and misocilaneous literature. At a rough guess the value could not be much under

notice, and more than once he had attempted to entice Ren Zonf into conversation upon the ephfect; but the corlorly made no secret of his anticothy to him, and senerally replied to his advances either by eatire or by hanter. He told how that he had everything to gain under the new system of nights and days, for, instead of living the Jew's ordinary life of a century, he would reach to the age of two centuries; and ha congratulated him upon the circumstance of things having become so light, because it would prevent him feeling the burden of his years.

and not infrequently invoking the God of Israel;

but every now and then a comping light elearned from his even, and his lipe became compressed with

None of the recent phenomens had escaped his

At another time he would declars that, to an old pearer like him, it could not matter in the least

what had become of the moon, as he could not possibly have advanced any money upon her. And when Issae, undounted by his jeers, percevered in besetting him with questions, he tried to allenor him by saving, "Only wait till the soverpor general comes; he is a shrewd fellow, and will tell you all shout it." "But will be protect my property?" poor Issae

would ask tremulously "To be sure he will! He would confinente it all rather than that you should be robbed of it."

to content bimself as bost he could, and to await the

shore, they found that the Hones had spehered in

ment ejaculations of anxiety, that Servadae turned round and peremptorily ordered him to denot from his clampr. Leaving the old man under the surwilliams of the count and Ben Zoof, the captain and the Bestement stemped into a small boat and were A very cheet inspection sufficed to make them

\$5,010 sterling. A new cargo had been taken in only a few days before the estastrophs, and it had been Issue Hakkabut's intention to croise from Ceuts to Tripoli, calling wherever he had reason to

## do not overcharge me."

AMAZING STORIES believe there was likely to be a market for any of loan of a few sailors to carry his ship to Akriers. "I will pay you hanseth: I will now you sail."

"A fine haul, lieutenant," said the captain.
"Yes, indeed," said the lieutenant: "but what if the owner refuses to part with it?" "No fear; no faar," replied the captain. "As soon as ever the old rescal finds that there are no more

Arabs or Algerians for him to fieces, be will be ready enough to transact a little business with us, We will now him by hills of acceptance on some of his old friends in the Old World."

"But why should be went any payment?" inquired the lieutenant. "Under the elreamstances, be must know that you have a right to make a requisition of his goods."

"No, no," quickly rejoined Serwaine; "we will not do that. Just because the fellow is a German we shall not be justifud in treating him in German fashion. We will transact our business in a business like way. Only let him once realise that he is on a new ciohs, with no recences of cetting back to the

old one and he will be ready enough to even to terms with us. "Perhaps you are right," replied the lieutement; "I hope you are. But anybow, it will not do to leave the tartan here; not only would abe be in

taoushig whether she could resist the pressure of the ice, if the water were to freeze." "Quite true, Proceps; and accordingly I give you the commission to see that your crew bring ber

round to the Shellf as soon as may be." "To-morrow morning it shall be dens," answered the licutement, promptly Upon returning to the shore, it was arranged that the whole of the little cology should forthwith susemble at the courbi. The Spaniards were sum-

moned and Isaac, although he could only with reluctance take his wistful game from his tartan, obeyed the governor's orders to follow An bour later and the entire population of twenty-two had met in the chamber adjoining the gourhi. Young Pablo made his first acquaintance

with little Ninz, and the child seemed highly delighted to find a companion so nearly of her own age. Leaving the children to extertain each other. Care tain Servedse began his address. Refore entering upon further explanation, he said

that he counted upon the cerdial co-speration of them all for the common welfare. Negrete interrupted him by declaring that no

countrymen knew how soon they could be sont back to Spain. "To Spain, do you say?" saked Servadae "To Spain!" echood Issac Hakkabut, with a hide-ous yell. "Do they expect to go back to Spain till they have paid their debts? Your Excellency, they

owe me twenty reals apiece for their peasage here; they owe me two hundred reals. Are they to be allowed . . "Silence Mordecai, you feel?" shouted Ben Zoof.

who was accustomed to call the Jew by any Hebren usme that came uppermost to his memory. Servadae was disposed to appears the old man's anxiety by promising to see that justice was ultimately done; but, in a fever of frantic excitement, he went on to implore that he might have the

He named The Spenisods esidently had no over-Negrete hegged him to tell thom all again. He repeated all that be had said, and by introducing some illustrations from familiar things, he sucneeded to a certain extent in conversion same faint ides of the convulsion that had bappened. The event was precisely what he had foreigld. The communication was received by all alike with the most supreme indifference, Hakkabut did not say a word. He had listened with manifest attention, his lips twitching now and then so if suppressing a smile. Servader turned

he cried: but his ingrained propensity for making a good bargein prompted him to add, "provided you

Hen Zoof was about again to interpose some

anery exclamation; but Servadas checked him, and

continued in Spanish: "Listen to me, my friends,

Semething very strange has happened. A most

wonderful event has out us off from Spain, from

Proper from Italy from every country of Ropping

In fact, we have left the Old World entirely. Of

the whole earth, nothing remains excent this island

on which you are now taking refuge. The old globe

is far, far away. Our present abode is but an insig-

nifecut freement that is left. I does not tell you that there is any chance of your over again seeing

your country or your homes."

ception of his meaning.

to him, and asked whether he was still disposed to put out to sea and make for Algiers. The Jew mave a broad prin, which, however, he was careful to conceal from the Speniards, "Your Excellency tests" he said in French; and turning to Count Timuscheff, he added in Russian: "The governor has made up a wonderful tale," The count turned his back in disgust, while the Jew sidled up to little Nina and muttered in Italian. "A lot of lies, pretty one; a lot of lies!" "Confound the knave!" exclaimed Ben Zoof: "he

enables every toneue under the sun?" "Yea," said Servadac; "but whether he speaks French, Russian, Spenish, German, or Italian, he is neither more nor less than a Jew."

#### CHAPTER XX A LIGHT ON THE HORISON

On the following day, without giving himself any further concern about the Jew's incredulity, the captain gave orders for the House to be shifted round to the harber of the Shelif. Hekkubut raised no objection, not only because he was aware that the move insured the immediate safety of his tartan, but because he was secretly extertaining the

hope that he might entice away two or three of the Dobruma's oney and make his escone to Aleiera or event other roof. Operations now commenced for preparing percent winter quarters. Sponfords and Russiana allke

joined heartily in the work, the diminution of atmomberic pressure and of the force of attraction contributing such an increase to their muscular force as materially facilitated all their labors. colony. Here for the present the Speniards were

The first business was to accorrespond to the building adjacent to the gourbi to the wants of the little the yeak, while the Jew was permitted to poss ble sights upon the Hausa. This arrangement, howware, could be only temperary. The time could not be far distant when ships sides and evaluary walls would fall to give an adequate protection from the searchty of the cold that must be expected; the stack of fast was too limited to keep up a permanent supply of heat in their present quanters, and consequently they must be driven to neck some other redtage, the internal temperature of which would be

or least be heartable. The plan that seemed to eccurrend itself most to their consideration was, that they should due out for themselves seems substrateous pits similar to "blow," such as are used as receptable for grain should be covered by a thick theyer of see, which is a bad conductor of beat, a sufficient emount of marmith the animal vitability might still be retained

as accessful or of this blad. After a long consultation they faithed to devise any better aspeclient, and were forced to resign thermodyes to this species of troplotyte existence.

In one respect they congrutulated thermodyes that they should be better off than many of the whalers in the polar seas, for as it is impossible to get below the surface of a fromm comen, these advantagements.

have to seek refuge in buts of wood and snow erected on their ships, which at best angive but slight protection from extreme code; but here, with a salled stackly the Gallism might beye to dig down a bundred feet or to and secure for themselves a shelter that would exalled them to heave the hardest severity of climate. The owink was The order, then was all conception. The work was

commenced. A stock of showels, mattacks, and pickcase was brought from the goards, and with Ben Zoof as overseer, both Spanish major and Russian aniloss set to work with a will. It was not bore, become, before a discovery, more

assequented than acreamble, solublesty arrested them seemed below. The spot chosen for the accussion was subsect. The spot chosen for the accussion was been also as the spot chosen for t

starty. Harder and more registing than granife to could not be shalled by codinary powder? dynamics of the could not be shalled by codinary powder? dynamics of protection was reported with the common of protection was reported wirele, death someton to be starting them in the face. Were the common of the starting them in the face. Were the common of the starting them in the face of the common of the common of the common of the could be starting the contract of the country of the cou

persture fell steadily; already, to the discentificate of the little Italian grit, margined in sanchine, to we can be considered to be such a substitution of the total sanchine to form to the revokes of the rocks, was beginning to form to the surpositing when the san itself would freeze.

Some shaller must be found before the temperature should fall to 00 below max. Otherwise dasht was inertiable. Bittherto, for the last few day, the should 6" below zero, and it had become matter of about 6" below zero, and it had become matter of

pensate for the remoteness of the sun. The tem-

thermometre had been registering an average of boats of bulber one, and it had boats makine all about 6 bulber one, and it had boats makine all about 6 bulber one, and it had boats and all the wood that was available, was abtopated to effect any consistion migration of the severity of the cold. Nor could any amount of that ownerity of the cold. Nor could any amount of that ownerity and point in the thermometres would be compared as force of the cold and any and and ownering the cold of the cold of the cold of the compared of the cold of the cold of the cold of the control of the cold of the cold of the cold of the and Human could not for a moment be newlying to cold the cold of the cold of the woods.

shaller, but they were toolly untited to be trated as to their stability when agood to the entermous as to their stability when agood to the entermous as the stability when agood to the entermous as the stability of the entermous as the entermous as the entermous as the entermous as the entermous and purptient. These descripted that they full themselves in and purptient. These descripted that they fail the entermous could regard us as that in a refuge below entermous entermous and purptient. The entermous entermous and important entermous submittain or this could yet hour by hour the entry file was been injury in the dimension of the entry the entry file was been injury to the entry file was the entry to the entry file was been as the entry to the entry file was the entry to the entry file and the entry to the entry file was the entry to the entry file was the entry to the entry file and the entry file was the entry file was the entry file was been as the entry file was the en

the positiaties of the odd was becoming almost intolerable.

Mounted upon Zephyr and Guiette, the captain and the count seemed the uslead in search of some and the count seemed the uslead in search of some of the property of the country of the co

hapsies, there exemed ordator to be done served to try and routies the behilding absorption the previlengervious to freed. To contribute to the supply of fuel, orders were given to collect every serge of wood, dry or gream, that the intend preduced; and then invelved the necessity of eliging the summerous tress that were neathered over the plain. But tell no they might all the accumulation of fewered, Captalin for-reade and his companions could not resist to provide and his companions could not resist members and the companions could not resist provide and change the companions of fewered, Capmerical would exhaust the total could. Any who

period would exhaust the total stock. And what would happen then?

Studious if possible to conceal his real misgivings, and auxious that the rest of the party should be affected as little as might be by his own uncasiness, Servadar would mander alone about the island ranking his brain for as idea that would 46 AMAZING STORIES
roint the way out of the serious difficulty. But wards as far as the former latitude of Own; he

One day he suddenly came upon Ben Zoof, and anked him whether he had no plan to propose. The orderly shock his head, but after a few moments' prodering, add: "Ahl master, if only were at Montanavra, we would get shelter in the charming ston-quarries," "Idiel?" replied the captain, angelly, "If we were at Montanavira, you don't suppose that we should

aton-charries."
"Idiel?" replied the captain, angrily, "If we were at Montmarter, you don't suppose that we should need to live in stone-quarries! which busma in-genity half failed to secure were at hand from the felicitous provision of Nature bernell. It was not the 10th of March that the captain and Lieutenant Precepts started off one more to brevetigate the

felicities provision of Nature herned. It was on the 10th of Starte that the explain and Lieutenin the 10th of Starte that the explain and Lieutenin northwest corner of the island; on their way their conversation naturally was engroused by the subject of the dire necessities which only too manifestly were awaiting them. A discussion more than sundifferent control of the control of management of the control of the control of management of the control of the control of the management of the control of the control of the management of the control of the management of the control of the control of the management of the control of the control of the control of the management of the control of the control of the control of the management of the control of the control of the control of the management of the control of the control of the control of the management of the control of the control of the control of the management of the control of the control of the control of the management of the control of the control of the control of the management of the control of the control of the control of the management of the control of the control of the control of the management of the control of the control of the control of the management of the control of the control of the control of the management of the control of the control of the control of the management of the control of the contr

the fairest chance of avoiding a fatal climax to being expourny; the captain persisted that an entirally now about must be sought, while the liceneauxt was equally hent upon derwining a mothod of come occit by which their present quartors might be rendered satisficiently warm. All at excep, the every heat of his argument, Procope passed, in very heat of his argument, Procope passed, in mixture of the control of the control of the mixture of the control of the control of the print and stand, with a fixed year tentiored on a

point towards the south. "What is that?" he said,
with a kind of hesitation. No, i am not missakon;
"A light?" reactions for words; the many of
"A light?" reactions for words; they me wiere.
"Look there?" answered the fleatment, and he
kept pointing steadily in its direction, until Servedon also distinctly saw the bright speck in the
distance.

It increased in clearness in the gathering shades of evening. "One it be a ship?" asked the captain. "If so, it must be in famma; otherwise we should not be able to see it so far off," replied Procope. "It does not move," asid Servades;" and unless I am greatly deceived, I can hear a kind of rear-

heration in the air."
For some seconds the two men stood straining syes and ears in rapt attention. Suddenly as loss strated Sorresdor's mind. "The welcano?" he critical "many it not be the veleano that we saw, whilst we were on heard the Dobyses".
The lieuterant agreed that it was very pechalos.
"Howeven he uraised" is equal to the critical strains and of the contract of the critical strains.

be went on in the torse of a loom employment, the turn has provided a loom of a loom employment. We there has provided a loom of the loom of left of a loom loom of loom of loom of loom of all the warmth we need. No time to loom of morrow, my dear Procope, bornorrow we will coplore it all; no death the life, the lock we want as remerved for us in the load at an all looms of loom.

Is reserved for us in the heart and howels of our own Gelliar? Whilst the capitals was indelging in his expressions of anthoniarm, Process was endowering cellent his thoughts. Distinctly be remembered the leng promoratory which had harred the Dodeysav's progress while counting the southern confines of the see, and which had oblighed her to search northsmoke; and now he was corrected that he was right in identifying the position, and in believing that the smoke had given piace to an emption of fame. When Serrandes gave him a chose of speaking, he said, "The more I consider it, vegriat, the mire you'de a doubt, what we see as the wakars, and he morrow we will not fail to visit it." On returning to the gent's, they commanisated their discovery to Court Turnschoff only, deeming court at core before his york it after discount, and

remembered also that at the extremity of the promontory there was a rocky headland arowned with

copromed the intention of accompanying them.
"The yight, I think" said Proops, "but better remain where the it; the venture is beautifully cain, and the station-laurch will survive our purpose better; at any rate, it will covery us much obser to share than the schooner."

The count replied that the licenteaux was by all moments to see his own discretion, and they all retired for the night.

Like many other modern pleasure-pathin, the

Dobruse, in addition to her four-oar, was fitted with a fast-going little steam-launch, its screw bring pronelled, on the Oriolfe system, by mean of a boeler, small but very effective. Early next morning, this handy little croft was sufficiently freighted with coal fof which there was still about ten tons on heard the Debraug), and manual by nebody except the cartain, the court and the lightenest left the harbor of the Shelif, much to the hewilderment of Ben Zoof, who had not yet been admitted into the secret. The orderly, however, consoled himself with the reflection that he had been temperarily invested with the full nowers of covernor general an office of which he was not a little proud The eighteen miles between the island and the headland were made in something less then three hours. The volcanic eruption was manifestly very considerable, the entire aurumit of the promontory

being enveloped in flames. To produce so large a combustion either the copyen of Gallia's atmosphere had been brought into contact with the explosive gases contained beneath her soil, or purhaps, still more probable, the vokuno, like those in the moon. was fed by an internal supply of oxygen of her own. It took more than half an hour to sottle on a suitable landing-piace. At length, a small semicircular creek was discovered among the rocks. which appeared advantageous, because, if circumstances should so require, it would form a safe ancharage for both the Dobryss and the Hossa. The launch securely moored, the passengers landed on the side of the promortery opposite to that on which a torrent of flaming lave was descending to the sea. With much satisfaction they experienced, as they approached the mountain, a sensible difference in the temperature, and their spirits could not do otherwise than rise at the pres-

er spirits could not do otherwise than rise at the person peet of having their heps conformed, that a delivscrame from the threatmed calamity had so expected the state of the state of the state of the season of the state of the state of the state of scaling the irregularities of its spinnish strata, the sebunding from point to point with the agaility of channois, that stave alighting on anything except channois, that stave alighting on anything except the accumulation of the same becagenal prisms with which they had now become so familiar. Their exertions were happily rewarded. Behind a huge governed rock they found a hole in the

mountain-side, like the mouth of a great tunnel. Climbing up to this orifice, which was more than sixty feet above the level of the sea, they ascertained that it opened into a long dark gallery. They entered and groped their way cautiously along the sides. A continuous rumbling, that increased as they advanced made them aware that they must be angreathing the central funnel of the vokano; their only fear was lest some insuperable wall of rock should sufdenly har their further progress-

Servadae was some distance shead. "Come on!" he cried cheerly, his voice ringing through the darkness, "come on! Our fire is lighted! no stint of facil Nature provides that! Let us

make haste and warm ourselves!" Inspired by his confidence, the count and the lieutenant advanced bravely along the unseen and winding path. The temperature was now at least fifteen

degrees above zero, and the walls of the guillery were beginning to feel oute warm to the touch, an indiention, not to be overlooked, that the substance of which the rock was composed was metallic in its nature, and capable of conducting heat. "Fellow me!" shouted Servadee zonin: "we shall

soon find a regular store!" Onwards they made their way, until at last a sheen turn brought them into a audden food of light. The tunnel had opened into a vast cavern, and the gloom was exchanged for an illumination that was perfectly danding. Although the tem-perature was high, it was not in any way intoler-

One glasce was sufficient to satisfy the explorers that the grateful light and heat of this buge excepttion were to be attributed to a torrest of lava that was rolling downwards to the sea, completely subtending the sperture of the cave. Not inspily might the scene be compared to the celebrated Grotto of the Winds at the rear of the central fall of Niagara, only with the opposition that here, instead of a curtain of rushing water, it was a curtain of rearing

flame that hung before the covere's mouth. "Henron be praised!" cried Servadac, with glad smotion; "here is all that we hoped for, and more besides?"

### WINTER QUARTERS

The habitation that had now revealed itself, well lighted and thoroughly warm, was indeed marvelous. Not only would it afford ample accommodation for Hactor Servadac and "bis subjects," as Ben Zoof delighted to call them, but it would provide shelter for the two horses, and for a considerable

This enormous cavern was neither more or less than the common function of nearly twenty tunnels crimilar to that which had been traversed by the explorers), forming ramifications in the solid rock, and the pores, as it were, by which the internal heat exuded from the heart of the mountain. Here, as long as the volcano retained its activity, every most rigorous of climates; and as Count Timascheff

But not a day, not an hour, was to be lost now. The steam-issued returned to Geurbi Island, and preparations were forthwith taken in hand for conveying man and beast, corn and fodder, across to the voicenic headland. Loud and bearty were the acclamations of the little colony, especially of the Spaniards, and great was the relief of Ninz, when Servades announced to them the discovery of their future domicile; and with requiremed energies they labored hard at packing, anxious to reach their genial winter quarters without delay.

justly remarked, since it was the only burning moun-

tein they had sighted, it was most probably the sole

outlet for Gallia's subterranean fires, and count-

quently the eruption might continue unchanged for

For three successive days the Dobryss, laden to her very gunwale, made a transit to and fro. Ben Zoof was left upon the island to superintend the stowage of the freight, whilst Servades found abundant occupation in overlooking its disposal within the recesses of the mountain. First of all, the large store of corn and folder, the produce of the recent harvest, was landed and deposited in one of the vaults, then, on the 15th, about fifty head of live cattle-ballocks, cows, sheep, and pige-were conveyed to their rocky stalls. These were saved for the sake of preserving the several breeds, the bulk

of the island cattle being slaughtered, as the extreme severity of the climate insured all ment remaining fresh for almost an indefinite period. The winter which they were expecting would probably be of unprecedented length; it was quite likely that it would exceed the air months' duration by which many arctic explorers have been tried; but the nonelation of Gallia had no anxiety in the matter of provisions-their stock was far more than adequate; while as for drink, as long as they were satisfod with pure water, a frozen sea would afford them an inexhaustible reservoir.

The need for haste in forwarding their preparations became more and more manifest; the sea threatened to be unnavigable very soon, as jes was already forming which the necessar our was unable to melt. And if haste were necessary, so also were care incomply and forethanglet. It was indiapersable that the space at their command abould be

properly utilized, and yet that the several portions of the store abould all be readily accessible. On further investigation an unexpected number of ralleries was discovered so that in fact, the interior of the mountain was like a west beautime perforated with innumerable cells; and in compliment to the little Italian it was unanimously voted

"Nina's Hive." The first care of Captain Servadac was to ascertain how he could make the best possible use of the best which nature had provided for them so concerturely and with an layish a hand. By evening fresh vents in the solid rock (which by the action of the heat was here emphis of fissure) the stream pels, where it could be available for daily use; and thus Moobel, the Dobryon's cook, was furnished with an admirable kitchen, provided with a perman-

ent stove, where he was duly installed with all his sufficery ameratus. "What a saving of expense it would be" ex

claimed Ben Zoof, "if every boundedd could be faraithed with its own private volcane!"
The large covern at the general junction of the galleries was fitted up as a drawing-room, and arranged with all the best furniture both of the pourbiand of the cobins of the Debress. Fifther was also

galleries was filted up as a drawing-room, and armaped with all the best furnitize built of the powhi and of the cabon of the Dobyes. Hinter was also brought the shooter's library, containing a good water of Franch and Resalan below, longs were story of Franch and Resalan below, longs were story of Franch and Resalan below, longs were story and the superior of the spartment were tapestried with the salis and adorned with the flags belowinging to the yards. The zurviou of fire extending over the opening of the

exvers provided it, as already stated, with light and hast.

The terrent of lava fell into a small rede-beard basin that had no apparent communication with the sea, and was evokently the specture of a deep styrs, of which the waters, beated by the descent of the emptive matter, would us doubt retain their liguid condition leng after the Gallian Sea had be-

come a sheet of ico.

A small exacuation to the left of the common hall was alkethed for the special use of Servasha and the count; a sether on the right was appropriated to the lieuteaunt and Ben Zoof; whilst a third recess, lemediately at the back, made a convenience little chamber for Nira. The Spendards and the Russian asilees took up their sleeping-quarters in the 3d-

jacent gallecies, and found the temperature quite confectable. Such were the internal arrangements of Nine's Hive, the refuge where the little colony were fell of hope that they would he able to brave the rigors of the stern winter-time that lay before them—a winter-time durans which Gallia might nessibly be

projected even to the orbit of Jupiter, where the temperature would not exceed one treaty-fifth of the normal winter temperature of the earth. The only discontented spirit was Issae Hakke. but. Throughout all the proparations which record even the Spanished to activity, he Jew, will incredulent and deaf to every representation of the tree state of things, instant of pure remaining in the state of things, instant of pure remaining in the state of things, instant of pure remaining in the state of things, instant of pure remaining in would have paint series, where, the a miser, he would keep eared over the previous earge, even

which they guarantee to present on the pretend of the preopen in the byse of catching right of none pushing sail. It must be sweet that the whole party were far from our; to be relieved of his presence; his uncomely figure and regulative countenance was a perpecual busidest. He had given out in plain property, escopt for current meney; and Servalue, equally reselute, had strictly forbidden any par-

chiase to be made, beging to wear out the resultbilities.

[Baldents penisteally reduced to credit the ranlities of the second of the random portion of the partities of the terreterist globs has undergone a certain degree of modification, but nothing could irring aim to belowe that he was not, soame or certain degree of modification, but nothing could irring aim to below that he was not, soame or learn and the second of the second of the second irring aim to be losses that he was the second identification. With his world district of all with when he care in contain, he required every arrament had was urged upon him only as ordinate of a whole the second of the second of the second of the world of the second of the second of the second of the world of the second of the s

thesis that a fragment had become detached from

is might effect some bartering upon advantageous of terms.

At the the profession to regard the preposed removal into winter-quarters as an attempt to impose upon his credulity; but the frequent wayses made if yet to Dobysus to the seath, and the repeated companies to the seath, and the repeated companies to the control of the profession of the companies of the

the earth, he scanned the borson for bours to-

been natebed up till it looked like a rusty stove-uipo.

beging to descry the passing trader with which be

other with an old telescope, the case of which had

gam to saik himself—what if all that was taid thus wat trust? What if this new was so karper the Mediterranama. What if he should prove again a few of the said of the said of the said of rain began to take possession of the mind: A count lists and yield the said of rain began to take possession of the mind: A count lists of rain began to take possession of the mind: A count list of the list of rain began to take possession of the mind: A count list of the list of the list of rain lists yield the beauty for the list of the list o

and sorra, and, risionated by all the rest, he was fails to turn his attention to like Zoof, to whom he of the control of the Zoof and the control of the Co

o found it, I have teld you the truth twenty times.
Once for sil, I tell you now, you have left yourself bearely time enough to make your escape to yousher mountain."
"God and Mahamet have mercy on me!" mattered to Jew, whose creed frequently assumed a very

ambiguous character.
"I will tell you what," continued the esptain—
"you shall have a few men to work the Henon
across, if you like."
"But I want to ge to Algiers," whispered Hak-

s lobbut.

"How often am I to tell you that Algiers is no.

longer in existence? Only say yet or no—are you
owned with us into uninter-quarters?"

"God of Israel! what is to become of all my
d property?"

d property?"
"Est, mind you," continued the espinia, not heed in ing the interruption, "if you do not choose volund turnly to come with us, I shall have the Hauss, by my orders, removed to a pince of marky. I am not going to let your cursed obstinancy incur the risk of leating your sure save obsceeding."

"Marciful Heaveni I shall be reined!" manned Isaac, in despeir.
"You are poing the right way to rain yourself and it would serve you right to leave you to your own devices. But be 60! I have no more to car." And, turning contemptously on his heel, Sernaise left the old man variferating bitterly, and with uplifted hands probesting vebraneity against the raparity of the Gentiles. By the 20th all preliminary arrangements were complete, and everything ready for a final departure from the label. The intermoenter stood on an

everage 4.8" below serv, and the water in the clera was completely frozen. It was determined, therefore, for the cokeny to embark on the following day, and this up their residence in Nimit Hive. A first emmutation was held about the Howas Lebestant Proope pursuamed his decided convision that it would be impossible for the turbus of the count the pressure of the ice in the harbor of the count the pressure of the ice in the harbor of the count that the count the pressure of the ice in the harbor of the count that the count of the count that the count of the count that the count of the

Liestenant Processe presented his decided conviction that it would be impossible for the turtant to result the pressure of the fee in the harbor of the Shelf, and that there would be far more safety in the proximity of the velsaro. It was agreed on all heads that the wealed must be shifted; and accordingly orders were grown, there is a superior of the proximity of the velsaro. It was agreed as all heads that the wasted must be shifted; and sevwer seed to board, and only a few mustace shaped great lateer sail left the turtion was unfursely, and the "ther-shift" as Ben 200 distributed to cell it.

awa size on her way to the nontheard.

Long and itself were the immentations of the few.

He kept ancisaming that he had given no orders,
that he was being moved against bus will, that he
had saled for no assistance, and needed nene; hat
it required no very host discrimination to observe
that all along there was a harking glessm of satisfaction in his little gray cryes, and when, a few

faction in his little gray eyes, and when, a few boars later, be found himself securely anthored, and his property in a place of safety, he quite chocked with give.

"Ged of install" he said in an undertone, "they have made'no charge; the idiois have piloted me

here for nothing."
For nothing! His whole nature excited in the consciousness that he was enjoying a service that had been rendered gratuitously.
Destitute of human inhabitants, Gourbi Island was now left to the beausay of such hirds and

beats as had escaped the recent promissures as had escaped the recent promissures alwayster. Birds, indeed, that had nigrested in search of warmer shores, had returned, proving that this fragment of the Prench colory was the only aired of land that could yield them any sustances; but their life must necessarily be short. It was utterly impossible that they could survive the could the yould some same.

The object jeeds posteraious of their new above with but for formalities. Everyone, however, esperved of all the internal arrangements of Nicari-How, and were profuse in their expressions of satisfaction at finding themselves bested in such confortable quarters. The only realcontant was Bakishori; he had no share in the general estimation of the conformal properties of the contable of the conformal properties of the contable of the control of the contable of the contable

 in the heat of applity, one of them played the rather, another the statutate, and the rate liquid in a riving in cheese. Been feed contributed the famous Zousev retrins, well known throughout the Ferchs army, but ravely performed in floor style than by this virtuous:

"Missis jobs for due time they have been for in rive.

First floot floot front investe, thrus Fer in riva.

Tour talk rive.

as the toast "Spoores to his council," to which Ben

Zoof was called upon to return thanks. The enter-

tainment passed off merrity. The Spaniards were

Tour is Ribered,
Ricandons,
Ricandons,
Sams repos, répts, répts, repos, rie pot, ripette!
Si vous adranges non refrain,
François vous tles."

Fauseur was then."

The consert was succeeded by a ball, unquestionably the first that bad over token place in Gallia.

The Russian sailors exhibited some of their sutional dances, which gained considerable applicate,
even though they followed upon the marrielum.

tional discess, where games considerable appealed, even though they followed upon the marrielous fundanges of the Spannards. Ben Zoef, in his term, danced a pas seed (often performed in the Elysic Meetmartre) with an elegance and vigor that corned many compliments from Negrete. It was nine o'clock before the festivities came to

It was also o'dock before the feativities came to an end, and by that time the conquery, bested by the bigh temperature of the hall, and by their own concrition, felt the want of a little fresh air. Ascordingly the greater portion of the perty, essorted by Ben Zoof, make their way into our of the adjacent galaries that led to the share. Servadae, would be the server of the server of the conputation of the server of the server of the production of the server of the server of the party of the server of the server of the server loss after from those in obtains.

Their first impression was that they were cries
of distress, and they were greatly relieved to find
that they were shown to felight, which the dryness
and provity of the atmosphere caused to re-cebo like
in a volley of musicity.

Reaching the mouth of the gallery, they found
the entire group resistance with same interest to the

sky.
"Well, Ben Zoof," asked the captain, "what's the
matter mow?"
"Oh, your Excellency," ejeculated the orderly,
"Jook there! Jook there! The moon! the moon!

"look there! look there! The moon! the moon's come back!"

And, sure enough, what was apparently the moon was rising above the mists of evening.

#### CHAPTER XXII A FROMIN OCEAN

Titz moon! She had disappeared for weeks; was she now returning? Had she been faithless to the earth? and had she now approached to be a satellite of the new-born world? "Imnossible" said Lieutenant Procept; "the

"Impossible" said Lieutenant Process; "the earth is millions and millions of leagues away, and it is not probable that the moon has ceased to revolve about her."

volve about her."
"Why not?" remonstrated Servadae. "It would
not be more strange than the other phenomena
which we have lately witnessed. Why should not

twenty harra: consequently Gallia, being of sometior volume, might be supposed capable of exercising a namer of attraction once any of these minuture mirroccorre The first night in Ning's Hive passed without exectal incident and next recessive a regular schools of life was definitely laid down. "My lord sex-

"Upon that supposition," not in the count. "I should think that it would be alterather unlikely

that three months would slaves without our seeing hop ' "Outte incredible!" continued Processe. "And there is another thing which totally disperses the

too insignificant for her power of attraction to carry off the meen." "But," reveleted Servadae, "why should not the save convulsion that tore us away from the earth

hour torn save the mose as well! After wondering about as she would for a while in the selar regions. I do not see why she should not have at-

teched herself to us." The lieutenant repeated his conviction that it was not likely

"But why not?" again soled Sevendon impetuquely. "Recourse. I tell you, the mass of Gallia is so

inferior to that of the muon, that Gallia would become the mann's satellite: the mass could set vonibly become here." "Assurating, however," continued Servedae, "such

to be the cree-"I am afraid," said the lieutenest, interrupting him. "that I cannot assume snything of the sort

Servadac smiled rood-humoredly "I confess you save to have the hest of the area. ment, and if Golina had become a satellite of the moon, it would not have taken three months to catch night of her. I suppose you are right." While this discussion had been going on the establite or whatever it might be had been rising steadily above the horizon, and had reached a posttion favorable for observation. Telescopes were brought and it was very sam ascertained beyond a question, that the new luminary was not the wellknown Phube of terrestrial nights; it had no fea-

turn in common with the vator. Although it was apparently much pearer to Gallia than the moon to the earth, its superficien was hardly one-tepth as homes and an frahly did it reflect the light of the remote sun, that it scarcely emitted radiance enough to extinguish the dire luster of stars of the righth magnitude. Like the sun, it had risen in the west, and was now at its full. To confuse its identity Servadar could discover a trace of the seen, charms. delineated in lunar charts; and it could not be denied that any transient hope that had been excited as to their once amin being about to evice the

peaceful smiles of "the queen of night" must all Count Timescheff finally suggested, though somewhat doubtfully, the question of the probability that Gallie, in her course seroes the some of the mirror planets, had carried off one of them; but whether it was one of the 169 asteroids already included in the astronomical estalogues, or one previously unknown, he did not prosume to determine. The then to a certain extent was planeible, incomuch as it has been accertained that reveral of the telescopic planets are of such arrell dimensions that a cood walker might make a circuit of them in four and

arnor," as Ben Zoof, outil he was necessorily forhidden, delighted to call Servadac, had a wholesome dread of idleness and its correspondences, and insisted unce each member of the verty undertaking come special daty to fulfill. There was plenty to do. The domestic enimals revaised a great deal of attention: a supply of food had to be secured and preserved; fishing had to be carried on while the condition

of the see would allow it; and in necessal places the galleries had to be further excavated to reader them more available for use. Occupation, then need ager be wanting, and the daily round of labor could go on in orderly routine. A perfect compard valed the little colour. The Bussians and Spaniards amaignmented well, and both did their hest to nick up various acress of French. which was considered the official increase of the where Committee himself understook the testion of

Pable and Nine. Ben Zoof being their correspond in play heers, when he entertained there with enchanting stories in the heat Parislan French, about "a levely sity at the foot of a recentain" where he always seemised one day to take them The end of March came, but the cold was not intense to such a decree as to corden any of the party to the interior of their report; neveral excursions were reade along the shore, and for a radius of three or four miles the adjocent district was carefully explored. Investigation, however, always anded in the same result - turn their course in what-

ever direction they would they found that the country retained everywhere its desert character. racky harron and without a franc of manufactor, Here and there a slight layer of snow or a thin enating of ion arising from atmospheric confermabut it would require a period indefinitely long, exceeding housen reckening, before that maisture could collect into a stream and roll downwards over the steay strate to the sec. It seemed at present ant of their nower to determine whether the land upon which they were so happily settled was an island or a continue, and till the cold was shated to ascertain the actual extent of the strange con-

By according one day to the suremit of the volcano. Cantain Servadae and the count apprended on The mountain itself was an enormous block rising symmetrically to a height of nearly 3,000 fast show the level of the sea, in the form of a truncated come.

grate of metallic grantallication.

of which the tournout section was crowned by a wreath of smoke issuing continuously from the mouth of a parrow crater. Under the old condition of terrestried things, the

ascent of this steep accitvity would have been attended with much faturue, but as the effect of the performed perpetual prodicies in the way of agility, and in little over an hour reached the wice of the erater, without more sense of exertion than if they

Telescopes in hand, the explorers from the summit scanned the surrounding view. Their anticinations had already realized what they saw. Just as they expected, on the north, east, and west lay the Gallian Sea, smoothed and motionless so a sheet of glass, the cold having, as it were, congcaled the atmosphere so that there was not a breath of wind. Towards the south there seemed no limit to the land, and the volcano formed the apex of a triangle,

of which the base was beyond the reach of vision. Viewed even from this beight, whence distance would do much to soften the general asperity, the surface nevertheless seemed to be bristling with its myriads of hexaronal lamelle, and to present diffi-

culties which, to an ordinary pedestrian, would be "Oh for some wings, or else a ballson!" eried Servadac, as he gazed around him; and then, looking down to the rock upon which they were simpling, he added "We seem to have been transplanted

to a soil strange enough in its chemical character to bewilder the smanfs of a museum "And do you observe, captain," asked the count, "how the convenity of our little world cartalle our view? See, how circumscribed is the horizon?" Servadac replied that he had noticed the same circumstance from the top of the cliffs of Gourbi

"Yes," said the count; "it becomes more and more obvious that ours is a very tiny world, and that Gourbi Island is the sole productive spot upon its surface. We have had a short summer, and who knows whether we are not entering upon a winter that may leat for years, perhaps for cen-

"But we senst not mind, count," said Serendan, smiling. "We have agreed, you know, that, come

what may, we are to be philosophers. "Ay, true, my friend," rejusted the count; "we must be philosophers and nomething more; we must be stateful to the good Protector who has hitherto befriended us, and we must trust His mercy to the

end. For a few moments they both stood in silence, and contemplated land and sea; then, having given a last giance over the drency panorams, they prepared to wood their way down the mountain. Hefore they commenced their descent, however, they resolved to make a closer examination of the creter. They were particularly struck by what seemed to them almost the mysterious columess with which the cruntion was effected. There was none of the wild disorder and deafening turnalt that agrailly accompany the discharge of volcanic matter, but the heated lava, rising with a uniform cretiment, quietly overren the limits of the cruter, like the flow of water from the bosom of a peaceful lake. Instead of a boiler exposed to the action of an angre fire, the orater rather resembled a brimming basin, of which the contents were necessarily excepting. Nor were there any igneous stones or red-but cin-

ders mingled with the smoke that crowned the sum-

minerals of veleanic origin with which the base of

nousion, are not leating; but here the calm for of the liquid fire appeared to be supplied from a source that was inexhaustible, in the same was as the waters of Niagara, gliding on steadily to their final plunge, would defy all effort to arrest their course. Before the evening of this day closed in, a most important change was effected in the condition of the Gallian Sea by the Intervention of human agency. Notwithstanding the increasing cold, the see, unruffed as it was by a heasth of wind, still retained its liquid state. It is an established fact

as in moral nature, is never of long duration. The

most terrible storms, like the most violent fits of

that water, under this condition of absolute stillpest, will remain uncongrated at a temperature several degrees below zero, whilst experiment, at the same time, shows that a very slight shock will often be sufficient to convert it into solid ice. It had occurred to Servadae that if some communication could be opened with Courbi Island. there would be a fine some for burding expeditions. Having this ultimate object in view, he assembled

his little colony upon a projecting rock at the extremity of the promostory, and having called Nice and Pable out to him in front, he said; "Now, Nine, do you think you could throw scmething into the "I think I could," replied the child, "but I am sura that Pable would throw it a great deal further than "News mind, you shall try first."

Putting a fragment of fee into Nine's hand, he addressed himself to Pablo: "Look out, Pablo: you shall see what a nice little falry Nina is! Throw, Nina, throw, as hard as Nine balanced the piece of ice two or three times

in her hand and three it forward with all her strength A spiden thrill seemed to vibrate serves the w tioniess waters to the distant horizon, and the Gal-Han Sea had become a solid sheet of ice!

## CHAPTER XXIII

A CARRIED TERROR When, three hours after sunset, on the 23rd of March, the Gallian moon rose open the western horizon, it was observed that she had entered upon her last quarter. She had taken only four days to pass from averey to quadrature, and it was owne. cupatily evident that she would be visible for Ettle more than a week at a time, and that her lunation would be accomplished within sixteen days. The lunar months, like the rolar days, had been diminished by one-half. Three days later the moon was in conjunction with the sun, and was consequently lost to view; Ben Zoof, as the first observer of the satellite, was extremely interested in its movements and wondered whether it would ever reappear.

On the 26th, under an atmombare perfectly clear wit: a circumstance that quite accorded with the and dry, the thermometer fell to 12° C below sero Of the present distance of Gallin from the sun, and absence of the pumice-stones, chaldlans, and other the number of leagues she had traversed since the receipt of the last mysterious document, there were the areasent disc of the sun did not affect sufficient bees even for an approximate calculation; and Captain Sarendae was percetually regretting that they could receive no forther tidings from the anonymous correspondent, whom he persisted in reexisting as a follow-countryman. The solidity of the ice was perfect; the utter

stillsess of the air at the time when the final congelation of the waters had taken place had resulted in the formation of a surface that for amouthness would rival a skating-risk; without a crack or flaw The contrast to the ordinary aspect of polar seas

was very remarkable. There, the fee-fields are an arglemeration of hummocks and inshergs, massed in wild confusion, often towering higher than the masts of the largest whelers, and from the instability of their foundations liable to an instantaneous loss of equilibrium; a breath of wind, a slight modification of the temperature, not infrequently serving to bring about a series of changes outrivalue the most elaborate transferration somes of a pantornime. Here, on the contrary, the vast white plain was level as the desert of Sabara or the Rus-

sion steppes; the waters of the Gallian Sea were imprisoned beneath the solid sheet, which became continually thicker in the increasing cold. Acceptamed to the uneven crystallizations of their own frozen seas, the Russians could not be otherwise than delighted with the relighed surface that afforded them such excellent opportunity for enjuring their favorite pasture of skuting. A speely of skutos, found hidden away amongst the Dubraun's atores, was speedily brought into use. The Russians undertook the instruction of the Scanlands, and at the end of a few days, during which

the temperature was only endurable through the absence of wind, there was not a Gailian who could not skute telerably well, while many of them could describe figures involving the most complicated curves. Nina and Publo earned loud applicant by their rapid proficiency; Captain Servadac, an adept in athletics, almost outvied his instructor, the count; and Ren Zoof, who had upon some rare occasince shated once the Lake of Mentiouries (in his even of course, a sea), performed prodictes in the

This exercise was not only healthful in itself, but it was acknowledged that, in case of necessity, it might become a very useful means of beamotion. As Captain Servadae remarked, it was almost a substitute for railways, and as if to illustrate this proposition, Lieutenant Procops, perhaps the greatest expert in the party, accomplished the twenty

miles to Gourbi Island and back in considerably less than four hours. The temperature, meanwhile, continued to deereas, and the average reading of the thermometer was about 16° C. below zero; the light also diminished in proportion, and all objects appeared to be

enveloped in a half-defined shadow, as though the son were undergoing a perpetual eclipse. It was not surprising that the effect of this continuously overhanging gloom should be to induce a frequent depression of spirits amongst the majority of the little nonulation, exilus as they were from their mother earth, and not unlikely, as it seemed, to be awent far away into the regions of another planet-

that was before them, but a general sense of the strengeness of their situation could not fail at times to weigh heavily upon the minds of all. Under these circumstances it was very processary to counteract the tendency to descend by continual diversion; and the recreation of skating thus opportunely provided, seemed must the those to arouse the flagging spirits, and to restore a wholesome With dogged obstinsey, lasse Hakkabut refused

members of the community who could being any

scientific indement to hear mon the uncertainty

to take any share either in the labors or the amusements of the colony. In spite of the cold, he had not been seen since the day of his crrival from Gourbi Island. Captain Servadae had strictly forhidden any communication with him; and the amake that rose from the cabin chireney of the Hossa was the sale indication of the provenence being still on board. There was nothing to prevent him, if he those, from partaking gratuitously of the volcanie light and heat which were being enjoyed by all besides; but rether than abandon his close and personal oversight of his precious cargo, he preferred

to sacrifice his own slander stock of fuel Both the achooser and the tertan had been carefully moored in the way that seemed to premise heat for withstanding the rigor of the winter. After seeing the yessels made segure in the frozen creek, Lieutenant Procope, following the example of many Arctic explorers, had the precaution to have the ice beveled away from the keels, so that there should be no risk of the shipe' sides being crushed by the increasing pressure; he hoped that field, and when the thaw should come, that they would easily regain their proper water-line.

had ascertained that north, east, and west, far as the eye could reach, the Gallian Sea had become one uniform sheet of its. One spot slone refused to freeza; this was the pool immediately below the central cavern, the receptacle for the stream of hurning lava. It was entirely enclosed by rocks, and if ever a few icicles were formed there by the action of the cold, they were very soon melted by the flery shower. Hissing and soluttering as the hot lave came in contact with it, the water was in a continual state of chullition, and the fish that

shounded in its depths defied the angler's craft: they were, as Ben Zoof remarked, "too wuch holled to hits." At the beginning of April the weather changed,

The sky became evercest, but there was no rise in the temperature. Unlike the polar winters of the earth, which ordinarily are affected by atmospheric influence, and liable to alight intermissions of their severity at various shiftings of the wind, Gallia's winter was caused by her immerce distance from the source of all light and heat, and the cold wan

consequently destined to go on steadily increasing until it reached the limit ascertained by Fourier to be the normal temperature of the realms of space. With the over-clouding of the heavens there arous

a violent tempest; but although the wind record with an almost inconceivable fury, it was maccommanied by either snow or rain. Its effect upon the burning curtain that covered the aperture of "A pigeon!" surlaimed Ben Zeof, who had reached the central half was very remarkable. So far from the scene of the commotion. "A carrier-gizeon! And by all the sainte of Montmartre, there is a

guiched by the vehemones of the current of sir. the burricans seemed rather to act as a ventilator. which farmed the flame into greater activity, and the utmost care was peccepary to avoid being bornt by the fragments of lava that were drifted into the interior of the grotto. More than once the cartain itself was rifted entirely asunder, but only to close un again fremotinale after altering a momentary draught of cold air to penetrate the

hall in a way that was refreshing and rather ad-On the 6th of April after an absence of about

form dove, the new satellite, to Ren Zoof's errent satisfaction, made its responsance in a croscent form, a circumstance that seemed to factify the anticipation that honceforward it would continue to make a periodic resolution every fortnight. The crust of ice and arrow was far too stoot for

the beaks of the strongest birds to penetrate, and accordingly large swarms had left the inland, and, following the human population, had taken refuge on the volcanic promontory; not that there the barren shore had anything in the way of prorishment to offer them, but their instruct impelled them to harnt now the very habitations which formerly they would have shunned. Scraus of food were thrown to them from the galleries; these were speedily devoured, but were altogether inadequate in quantity to meet the demand. At length, eveholdered by hunger, several hundred birds ventured through the tunnel, and took up their quarters ac-

tually in Nite's Hive. Congregating in the large hall, the half-famished creatures did not hesitate to match bread, most, or food of any description and soon became each an intolerable nuisance that down - but although they were vigormusly attacked by otones and sticks, and even occasionally by shot, it was with some difficulty that their number could be assibly reduced

By a systematic course of warfare the bulk of the hirds were all exactled, with the exceeding of about a hundred, which began to build in the crevices of the rocks. These were left in quiet possession of their counters on not only was it deemed advisable to perpetuate the various breeds, but it was found that these birds acted as a kind of police, sense failing either to chose years or to kill are others of their species who infrinced upon what they appeared to regard as their own unceits weigh

lege in intruding within the limits of their domain. On the 15th load cries were suddenly heard issuing from the mouth of the volumenal collery. Help, help! I shall be killed!" Pable in a moment recognized the voice as Nina's. ance of his little playmate, and discovered that she

was bring attacked by half a dearn great seasonly. and only after rectiving some severe blows from their beaks could be succeed by mesns of a stout ended in driving them away "Tell me, Nizz, what is this?" he asked so soon

as the turnult had subsided. The child pointed to a bird which she was caressing tenderly in her bosom.

He took the hird, and rushing into the half "Another message, no doubt," cried the captain, "from our unknown friend. Let us hope that this time he has given us his name and address." All crowded round, eager to hear the news. In the strangle with the gulls the has had been portially torn open, but still contained the following dispatch;

placed it in Servedac's hands

"Gallie! Chemin surcours du 1er Mers un 1er Auril: Distance du soleff: 110,000,000 1. I

Cauté Nérina en passant. Virres wort manager et .. .

The rest of the document had been so damaged by the beaks of the guils that it was illerable. Ser-

vadac was wild with vexation. He felt more and more convinced that the writer was a Frenchman, and that the last line indicated that he was in distreas from acarrity of food. The very thought of a follow-countryman in peril of starvation drove him well-nigh to distraction, and it was in value that sourch was made everywhere near the some of conflict in hopes of finding the missing sersp that

might bear a signature or address Suddenly little Ninz, who had again taken possession of the pipeon, and was hunring it to her

"Look here, Ben Zoof!" And an she spoke she pointed to the left wing The wing bore the faint impress of a postage

stame, and the one word: "PORNEYTERA."

## CHAPTER XXIV

Formenters was at once recognized by Servadar and the count as the name of one of the smallest of the Balcaric Islands. It was more than probable that the unknown writer had thence sent out the mysterious documents and from the message just come to hand by the carrier-pigeon, it appeared all but certain that at the beginning of April a fortuicht hack he had still been there. In one important particular the present communication differed from those that had preceded it: it was written entirely in Francis, and exhibited none of the cestatic contametions in other languages that had been remarkable in the two former nanera The concluding line, with its intimation of failing provisions, amounted almost to an appeal for belo-Cartain Servadae briefly drew attention to these points, and concluded by saying, "My friends, we must, without delay, harten to the assistance of

"For my part," said the count, "I am quite ready to accompany you; it is not unlikely that he is not alone in his distress."

Lieutenant Procope expressed much surreins. "We rount have massed close to Formentern" he said, "when we explored the site of the Balearie

AMAZING STORIES "However small it may be," replied Servador.

ant, who was lost in thought, made no immediate reply.

"I wish we had a sledge," said Ben Zoof, "I dare say that a sladge of some sort could be contriend" said the count. "but then un should have no dogs or reindeers to draw it." "Why not rough shoe the two horses?" "They would never be able to endure the cold," done?"

objected the count. "Never mind," said Servedac, "let us get our sledge and put them to the test. Semething must be "I think," said Lieutement Procope, breaking his thoughtful silence, "that I can tell you of a sledge already provided for your hand, and I can support a motive power server and swifter than bornes. "What do you mean?" was the eager inquiry. "I mean the Debraua's vaul," assumed the lies tenant: "and I have no doubt that the wind would

carry her rapidly along the ice." The idea seemed admirable. Lieutenant Procope was well aware to what marvelous perfection the Americane bad brought their sail-siedres, and had heard how in the yest wraities of the United States. they had been known to outvie the speed of an express train, occasionally attaining a rate of more than a hundred miles an hour. The wind was still blowing hard from the south, and assuming that the vawl could be propelled with a velocity of about fifteen or at least twelve leagues an hour, he reckoped that it was quite possible to reach Formenters. within twelve hours, that is to say, in a single day between the intervals of sunrise and sunrise.

The vawl was about twelve feet long, and capable of belding five or six people. The addition of a couple of iron runners would be all that was requisite to convert it into an excellent along, which, if a sail were hoisted might he deemed certain to make a rapid progress over the smooth surface of the fee For the protection of the passengers it was proposed to erect a kind of wooden roof lined with strong cloth; beneath this could be nacked a supply of provisions, some warm fure, some cordials, and a portable stove to he heated by spirits of wins. For the outward journey the wind was as favor-

able as could be desired; but it was to be amorehend. ed that, unless the direction of the wind should change, the return would be a matter of some difficulty; a system of tacking might be carried out to a certain degree, but it was not likely that the yard would answer her helm in any way corresponding to what would occur in the open sea, Captain Servedac, however, would not listen to any representation of probable difficulties: the future, he said, must provide for itself The engineer and several of the sailors ast vigor-

ously to week, and hefere the close of the day the yawl wee furnished with a pair of stout iron runners, curved unwards in front, and fitted with a metal fin designed to assist in maintaining the directness of her course; the roof was put on, and beneath it were stored the provisions, the wrans,

and the mobine stentile. A strong desire was expressed by Lieutenest Proome that he should be allowed to accompany Captain Servadac instead of Count Timascheff. It was inadvisable for all three of them to on, as, in

"It must be a hundred and twenty leagues away," said the lieutement, thoughtfully; "and I do not quite understand how you would propose to ret "Why, on skates of course; no difficulty in that,

caped our observation."

ist

I should imprine," answered Servador, and he appealed to the count for confirmation of his opinion, The count assented, but Procope looked doubtful. "Your enterprise is penerous," he said, "and I abould be most unwilling to throw any unnecessary obstacle in the way of its execution: but, parden me, if I submit to you a few considerations which to my mind are very important. First of all, the thermometer is already down to 22" below pero, and the keen wind from the south is making the tem-

"we must find it. How far off do you suppose it

perature absolutely unendurable; in the second place, supposing you travel at the rate of twenty leagues a day, you would be exposed for at least eax consecutive days; and thirdly, your expedition will be of small evail unless you convey provisions not only for yourselves, but for those whom you hope to relieve." "We can carry our own provisions on our lands in knamacks," interposed Servadac, quickly, unwilling to recognize any difficulty in the way.

"Granted that you can," answered the Heutenant, quietly: "but where, on this level ice-field, will you find shelter in your periods of rest? You must perish with cold; you will not have the chance of dirring out tos-buts like the Esouimaux." 'As to rest," said Servadac, "we shall take none; we shall keep on our way continuously; by traveling

day and night without intermission, we shall not be more than three days in reaching Formenters." "Believe me," persisted the lieutenant, calmly, "your enthusiasm is carrying you too far; the feat you propose is impossible; but even conceding the possibility of your success in reaching your destination, what service do you imagine that you, halfstarved and half-frozen yourself, could render to those who are already periables by want and exnegared year would only bring them away to die." The obvious and dispossionate reasoning of the lieutenant could not fail to impress the minds of those who listened to him; the impracticability of the fourney become more and more apparent; unprotected on that drear exponse, any traveler much

assuredly succumb to the snow-drifts that were continually being whirled across it. But Hector Seranimated by the generous desire of recoging vadac, a suffering fellow-creature, could scarcely be brought within the bounds of common sense, Against his better judgment he wes still bent upon the expedition, and Ben Zoof declared himself ready to accommany his master in the event of Count Timaschoff hesitating to encounter the peril which the undertaking involved. But the count entirely remodiated all idea of shrinking from what, quite so much on the captain, he regarded as a sacred duty, and turning to Litutenant Process, told him that unless some better plan could be devised, be was prepared to start off at once and make the at-

the fixed stars,

space at their command would be quite inadequate. The lieutenant aread that he was the most experienough seamon, and an such was best applified to take command of the sledge and the menagement of the earlis; and as it was not to be expected that Servodan would recign his intention of going in person to relieve his fellow-countrymes. Procone submitted

very anxious to have his share in the philusthropic enterprise, and demarred considerably to the pronosale: he visited however, after a time to Servedae's representations that in the event of the expedition proving disservous, the little colony would need his services ellies as presented and projector, and overcoming his reluctance to be left out of the perilout adventure, was respected upon to remain behind for the general good of the community at Nina's At service on the following morning, the 16th of

April, Captain Servadac and the lieutenant took their places in the yawl. The thermometer was more than 20° below zero, and it was with deep emotion that their companions beheld them thus embarking upon the yast white plant. Ben Zoof's heart was too full for words. Court Timoschaff could not forbear pressing his two brave friends to his bosom: the Smanlards and the Russian sallors crowded round for a farewell shake of the hand, and little Nins, her great eyes flooded with tears, held un her face for a norther kuss. The said occur was not permitted to last long. The sail was quickly heisted, and the sledge, just as if it had expended

a hope white wing, was in a little while earried far Light and unimpeded, the vawl acudded on with incredible speed. Two sails, a mainsail and a jill, were arranged to catch the wind to the greatest advantage, and the travelers estimated that their leagues an hour. The motion of their novel vehicle that of an ordinary rankeny-carriage, while the diminished force of gravity contributed to the swiftness. Except that the clouds of londest raised by the metal runners were an ovidence that they had not actually left the level surface of the ice, the contain and lieutenant might aroun and aroin have

imagined that they were being conveyed through the air in a balloon. Licutenant Procope, with his head all muffed up for fear of frost-bite, took an occasional perp through an anerture that had been intentionally left in the roof, and by the help of a company, maintained a proper and straight course for Permentera. Nothing could be more dejected than the aspect of that froom sea; not a single living creature rollered the solitate; both the travelers. Procope from a erientific point of view. Servadae from an mathetic. were alike impressed by the solemnity of the seems, and when the lengthened shadow of the sail cast

unce the lee by the oblique rays of the setting surhad disappeared, and day had given place to night, the two men, drawn together as by an involuntary There had been a new moon on the previous evening; but, in the absence of mocalight, the constellations shows with remarkable brilliancy. The new pole-star close upon the berizon was resplandent

Observing that Servadae was completely absarbed in his own thoughts. Lieutenant Procone had leisure to contemplate some of the present nurslexing problems, and to pender over the true astronomical position. The last of the three mysterious decuments had represented that Callia, in conformity with Kenler's around law, had traveled alone her orbit during the recets of March turney williams of learnes less than she had done in the previous month: vet, in the same time, her distance from the son had nevertheless been increased by thirty-two

his course by the guidance of that alone. However,

the oun, it was after all manifestly insignificant in

comparison with the remoteness of the nearest of

millions of learnes. She was now, therefore, in the between the orbits of Mars and Jupiter, and had captured for herself a satellite which, according to recently identified. If thus, then, it was within the power of the unknown writer to estimate with such not likely that his mathematical calculations would to the date at which she would begin again to apprough the sun? Nay, was it not to be expected that he had already estimated, with sufficient armroximation to truth, what was to be the true length of the Callian year?

lowing their own train of thought, that daylight rearrecord almost before the travelers were aware of it. On consulting their instruments, they found that they must have traveled close upon a hundred learnes since they started, and they resolved to slarken their speed. The sails were accordingly taken in a little, and in spite of the intensity of the cold, the explorers ventured out of their shelter, in order that they wight recognitive the slave which was apparently as boundless as ever. It was completely desert; not so much as a single point of rock "Are we not considerably to the west of Formen-

So intently had they each seearately been fol-

tera?" asked Servator, after examining the chart.
"Most likely," replied Proceps. "I have taken the earne course as I should have done at sea, and I have keet some distance to windward of the Island: we can bear straight down upon it whenever we like." "Rear down then, now; and as quickly as you

The yawl was at care put with her head to the northeast, and Captain Serendar, in defiance of the icy blast, remained standing at the bow, his gaze foud on the horizon.

All at once his eye brightened. "Look! look?" he exclaimed, pointing to a faint outline that broke the monotony of the circle that

In an instant the heutenant had seized his tele-"I see what you mean," said he: "It is a notice that has been used for some geodesic survey."

The next mement the sail was filled, and the yawl was harring down upon the object with incorpoly, able swiftness, both Contain Servadae and the lieuand even had Lieutenard Procone been destitute of fenant too excited to utter a word. Mile after mile the distance rapidly grew less, and as they drew

searce the rules they could not that it was exected on a low mans of rocks that was the sole intervention to the dall level of the field of ice. No wreath featly impossible, they conceived, that any human being easily there have survived the cold; the sad was a more cairs to which they had been hurrying.

that the lighterant took in his sail, convinced that the impetus already attained would be sufficient to be caught sight of a fragment of blue carvas fluttering in the wind from the ton of the nylon: It was all that now remained of the French actional standand. At the feet of the polen steed a miserable shed, its shutters tightly closed. No other habitation was to be seen; the entire island was less than a nuarter of a mile in circumference; and the con-

chasian was invested this that it was the sale sampleing remnant of Formenters, ones a member of the Rulearie Archinelara To leap on shore, to clamber over the slapers stones, and to reach the cohin was but the work of a few mammate. The movementer door was builted

on the inside. Servadae began to kneck with all his

might. No answer. Neither shorting ner knocking "Let us force it open, Procone?" he said. The free men not their shoulders to the door which more visided to their vigorous effects, and they found themselves inside the shed, and in almost

total darkness. By opening a shutter thay admitted what daylight they could. At first sight the wretched place seemed to be deserted; the little guished; all looked black and desolate. Another metant's repetiontion, however, revealed a hed in the extreme corner, and extended on the had a hu-

"Dead!" sighed Servador: "dead of ecid and hur-DOT P Lieutenant Peasons hent down and anxiously con-

terrelated the hede "No be in allve!" he said, and drawing a small flack from his nocket he round a few droms of brandy between the lips of the senseless man,

There was a faint sigh, followed by a fooble voice, which attend the one word. 'Gellio!" "Yes, west Gallial" eshood Servadae, cagerly,

"My cornet, my cornet!" said the voice, so less as to be almost insudible, and the unfortunate war. relapsed again thto unconsciousness. "Where have I neve this man?" throught flervadae

to himself: this face is of remake femiliar to we? But it was no time for deliberation. Not a moment was to be but in metting the enconstruction esternamen aman from his deselete engelete. He was soon conversed to the vand; his books, his seenty wandrobe, his namers, his instruments, and the blackboard witch had served for his calculations, were quickly collected: the wind, by a fortuitous neverthence, had shifted total a foresuble convict-

they set their sail with all speed, and ere long were on their former back from Prementors. Thirty-six hours later, the brase travelers were greeted by the arelamations of their fellow-coloplate who had been must envisorely assetting their reappearance, and the still senseless aspest, who had neither owened his eyes nor speken a more throughout the foremer was safely devocated in the warmth and security of the great hall of Nina's

END OF PURST BOOK (Construted to Most (some)

Now that you have looked over the first issue of AMAZING STORIES, the editor would very much like to know how you like the new magazine. the coming issues we shall probably ron a department entitled "Readers Letters", which will be a forum where our readers can discuss the various problems in connection with these stories. Very often you are ouzsled over information. We shall try hard to keep this new department for the benefit of all, and will try to publish all letters received from readers of AMAZING

If, on the other hand, you have comments, criticisms, and suppostions, begood enough to let us have all of these. The editor would also like to know whether you like the present makeup of the magnature; that is, one story in turn narts, as, for instance, the one we present this month, "Off on a Comet" with the balance in the next issue-or whether you would rather have the complete story in one issue, without the abort stories as printed in the present

number. Rest assured that the editor will be guided by the majority at all times. A word from you will be greatly appreciated, PRITOR

# The NEW ACCELERATOR By H. G. Wells



of the risk of the control of the co

search of new sensations will be

come semarect enough.

T IS comple to any in constanting them of the two of the two yearships story that is it is nowthy of the outloor. The two is it is nowthy of the outloor, requisition in the field of arrians worthing as until as of feetime. Here for the representation is the best of a remain sorthing the continuous part of the order two proceedings of the continuous part of the part of the continuous part of the part of

mov, prirange, recall the high forebeal and the singularly lens forebeal and the singularly lens forebeal and the singularly lens Mephiticshellum touch to his face. He occupies one of these pleasant Ettle detached houses in the mixed rety that make the wasters and of the Upper Sandtes of the singular lens wasters and of the Upper Sandtes one with the Fuzzish palies and parties, and it is in the little room with the millioned hay window that he werin when he is down here, and in which of an is down here, and in which of an and talked together. He is a mighty jester, to, besides, as work; he is one of those men who find a help and and think out a case. Or a barriater-or a man stimplus in talking, and so I have been able to folcramming for an examination." "Worth a culnes a drop," said I, "and more-to

low the conception of the New Accelerator right unfrom a very sarly stage. Of course, the greater portion of his experimental work is not done in Folkestone, but in Gower Street, in the fine new laborstory next to the hospital that he has been the first As everyone knows, or at least as all intelligent

people know, the special field in which Gibberns bas physiologists includes the action of drugs upon the nervous system. On the aphiects of sorcetter, sedatives, and anaesthetics he is, I am told, unequalled. He is also a chemist of considerable eminence, and I approase in the subtle and commiex tungle of riddles that shudows the ganglion call and the axis fibre there are little cleared places of his making. little glades of illumination, which, until he sees fit to publish his results, are still inaccessible to every other living man. And in the last few years

he has been particularly assiduces upon the question of nervous stimulants, and already, before the discovery of the New Accelerator, had attained great success with them. Medical science has to thank him for at least three distinct and absolutely safe irrigarators of unrevailed value to practicing room. In eases of exhaustson the preparation known as Gibberne's B Syrup has, I appease, saved more lives already than any lifeboat on the coast. "But none of these little things begin to satisfy

me yet," he told me nearly a year ago. "Either they increase the central secrety without affecting the nerves or they simply increase the available energy by lowering the nervous conductivity; and all of them are unequal and local in their operation. One wakes up the heart and viscers and leaves the brain stuncted, one gets at the brain, champague feshion. and does nothing good for the solar plexus, and what I want, and what, if it's an earthly possibility, round, that wakes you up for a time from the crown of your head to the tip of your event toe, and makes

ros ro two-or even three to everybody elac's one. "It would tire a man," I said.
"Not a doubt of E. And you'd eat double or treble-and all that. But just think what the thine would mean. Imprine yourself with a little phial like this"-he held up a little bottle of green glass and marked his points with it-"and that in this move twice as unickly, do twice as much work in a given time as you could otherwise do."

Eh? That's the thing I'm after."

But is such a thing possible?" "I believe so. If it isn't I've wasted my time for a year. These various preparations of the hypophosphites, for example, seem to show that something of the port. . . . Even if it was only one and a haif times as fast it would do."
"It seedd do," I said,

"If you were a statesmen in a corner, for example, time rushing up against you, something urgent to be done, ch?" "He could dose his private secretary." I said. "And gain-double time. And think if you, for example, wanted to finish a book." "Usually," I said, "I wish I'd never begun 'em. "Or a doctor, drives to death, wants to sit down men liks that. "And in a duel, again," said Gibberne, "where it all depends on your quickness in pulling the trigger." "Or in fenzing," I echoed. "You see," said Gibberne, "if I get it as an allround thing it will really do you so harm at all-

eacent nerhous to an infinitesimal degree it brings you nearer old age. You will just have lived twice to other pecules once-"I suppose," I meditated, "in a duel-it would be fair ! "That's a question for the seconds," said Gib-

I harked back further, "And you really think such a thing is possible?" I said.
"As possible," said Gibberne, and glanced at something that went throbbing by the window, "as a motorbus. As a matter of fact-

He passed and smiled at me decoly, and targed slowly on the edge of his desk with the green phist. "I think I know the stuff. . . . Already I've got something coming." The nervous smile upon his face betrayed the crayity of his revelation. He rarely talked of his actual experimental work, unless things were very pear the end. "And it may be, it the thing at a greater rate than twice."

"It will be rather a big thing." I hazarded. "It will be, I think, rather a hig thing." But I den't think he quite knew what a bir thing it was to be, for all that,

I remember we had several talks about the stuff after that, "The New Accelerator," he called it, and his tone about it every more confident on each occasion. Sometimes he talked nervously of unexpected physiological results its use might have, and then he would get a little unhappy; at others he was frankly mercenary, and we debated long and anxiously how the preparation might be turned to commercial account. "It's a good thing," said Gibborne, "a fremendous thing. I know I'm giving the world comething, and I think it only reasonable we should expect the world to pay. The dignity of

science is all very well, but I think semebow I reast have the managedy of the stuff for our ten years. I don't see why all the fun in life should go to the dealers in ham." It seemed to me that Gibberns was really meaparing no less then the absolute sensionation of

life. Suppose a man renestedly desed with such a preparation: he would live an active and record life indeed, but he would be an adult at eleven, reldflesord at twenty-five and by thirty well on the road to secule decay. It seemed to me that so far Gibberne was going to do for anyone who took his draw. exactly what Nature has done for the Issue and Orientals, who are men in their teens and acred by fifty, and unicker in thought and act than we are

all the time. The marvel of drugs has always been great to my mind; you can madden a man calm a man, make him incredibly strong and alert or a helpless log, quicken this passion and allay that, all by means of drust, and here was a new mirrorle to be added to this strange armory of phisis the doctors use! But Gibborne was far too enger upon

mixture?

his technical points to enter very keenly into my It was the 7th or 8th of August when he told we the distillation that would decide his failure se success for a time was going forward as we talked and it was on the 10th that he told me the thing was

done and the Nam Accelerator a tenseible reality on the world. I met him as I was going up the Sandrate Hill toward Folkestone-I think I was going to get my hair out, and he came hurrying down to meet me-I surpose he was coming to my house. to tell my at once of his sucress. I remember that his eyes were unusually hright and his face flushed, and I noted the swift algerity of his sten.

"It's done," he cried, and gripped my hand, speaking very fast; "it's more than done. Come

up to my house and see." Really ?"

"Really!" he shouted. "Incredibly! Come up and see."

And it does-twice?" "It does more, much more. It seares me, C

up and see the stuff. Trate |t| Try it! It's the meet amesing stuff on earth." He grupped my arm and, walking at such a pace that he forced me into a trot, went shouting with me up the hill. A whole

power-but of people turned and staned at us in was one of those hot, clear days that Folkestone sees so much of, every color incredibly bright and avery ortifica hard. There was a broom of course

but not so much breeze as sufficed under these conditions to keep me cool and dry. I panted for mercy.
"I'm not walking fast, am I?" eried Gibberne.

and slarkened his pace to a quick march "You've been taking some of this stuff." I ruffed, "No," he said. "At the utmost a drop of water that stood in a bealest from which I had washed

out the last truces of the stuff. I took some last night you know. But that is ancient history, now." "And it roes twice?" I said, nearing his deepway in a grateful perspiration. "It goes a thousand times, many thousand times,"

eried Gibberne, with a dramatic gesture, flinging open his Early Reglish carved oak state. "Phew," said I, and followed him to the door. "I don't know how many times it coes," he said. with his latch-key in his hand.

"It throws all sorts of light on nervous physiology, it kieks the theory of vision into a perfectly new shape," . . .

times. We'll try all that after. The thing is to try the stuff now."

"Try the stuff?" I said, as we went along the passage. "Rather," said Gibborne, turning on me in his study. "There it is in that little green phial there. Unless you happen to be afraid." I am a careful man by nature, and only theoreti-

cally adventurous. I sees afreid. But on the other "Well," I hazeled, "You say you've tried it?" "I've tried it," he said, "and I don't look hurt by it, do 17 I don't even look livery and I feel-" the worst comes to the worst it will save having m hair out, and that I think is one of the most hateful

I sat down. "Give me the petion," I said. "If

"Heaven knows how many thousand

I followed his eyes, and there was the end of the

"And the next thing is, keep still. Don't begin to whack about. You may fetch semething a marty rap if you do. Remember you will be going several thousand times faster than you ever did before, heart, lungs, muscles, brain-everything-and you will hit hard without knowing it. You won't know it. you know. You'll feel just as you do now. Only everything in the world will seem to be going ever so many thousand times alower than it ever went

"With water," said Gibberns, whacking down a

He stood up in front of his desk and regarded

"I must warn you in the first place as soon as

you've got it down to shut your even, and onen

them very exutiously in a minute or so's time. One

still sees. The sense of vision is a question of length

of vibration, consequently of frequency of immeda-

but there's a kind of shock to the retine, a resty

giddy confusion just at the time, if the even are

me in his casy chair; his manner was suddenly af-facted by a touch of the Harley Street specialist.

"It's rum stoff, you know," he said.

I made a ceature with my hand

open. Keep 'em shut."

"Shut," I said. "Good?"

before. That's what makes it so deuced queer." "Lee"." I said. "And you mean-"You'll see," said he, and took up a little measure. He glanced at the material on his deak. "Glasses,

be said, "water. All here. Musta't take too much for the first attempt." The little shiel plurbed pert its reserves contents "Don't forcet what I told you," he said, turning the united managering whisher "flat with the even tightler

abut and in absolute atillrees for two minutes," he said. "Then you will bear me spenk." He added an inch or so of water to the little dose "By-the-by," he said, "don't put your glass down,

Keep it in your hand and rest your hand on your knee. Yes-so, and now---He raised his glass.

"The New Accelerator." I said. "The New Accelerator," he snawered, and we touched glasses and drank, and instantly I closed

You know that blank non-existence into which one drops when one has taken "ena," For an indednite interval it was like that. Then I heard Gibberne telling me to wake up, and I stirred and council my eyes. There he stood as he had been standing, glass still in band. It was empty, that was all the difference.

"Nothing out of the way?" "Nothing. A slight feeling of exhibsration, per-

hape, Nothing more."
"Sounds?" "Things are still." I said. "By Joys! Yes! They ere still. Except the sort of faint pat, potter, like

rain falling on different things. What is it?" "Analyzed sounds." I think he said, but I am not sure. He gisneed at the window. "Have you come

seen a curtain before a window fixed in that way

there!"

AMAZING STORIES

curtain, frozen as it were, corner high, in the act of flamming brinkly in the brosse. "No," said I; "that's odd."
"And here," be said, and o be said, and opened the hand that held the class. Naturally I winced, expecting the glass to smash. But so far from smashing it did not even seem to stir; it hung in mid-air-metionless. "Roughly speaking," said Gibberne, "an obsees. moughtly speaking," said trinterne, "an ob-ject in these latitudes falls 16 feet in a second now. Only, you see, it know't fallon set for the bundredth

60

part of a second. That gives you some idea of the pace of my Accelerator," And he waved his hand round and round, over and under the slowly sinking glaza. Finally he took it by the bottom, polled it down, and placed it very carefully on the table. "That seems all right," I said, and began very

ringerly to raise myself from my chair. I felt narfeetly well, very light and comfortable, and quits confident in my mind. I was going fast all over. My heart, for example, was beating a thousand at all. I looked out of the window. An immovable evolist, bend down and with a freeze nuff of dust behind his driving-wheel, scorebed to overtake a galloping stor-a-base that did not stir. I gaped in I creed, "bow long will this confounded staff last?"

"Heaven knows!" he answered. "Lest time I took it I went to bed and slept it off. I tell you, I was frightened. It must have lasted some minutes, I think-it seemed like bours. But after a bit it slows I was proud to observe that I did not feel frield-

"Why not?" "They'll see us." "Not they, Goodness no! We shall be going

a thousand times faster than the culckest conjuring trick that was ever done. Come along! Which way shall we go? Window, or door?" And out by the window we wont.

Assuredly of all the strange experiences that I have ever had, or imagined, or read of other people having or imagining, that little raid I made with Gibborne on the Folkestone Lean, under the infuence of the New Accelerator, was the strangest and moddent of all. We went out by his oute into the road, and there we made a minute examination of the statuesque passing traffic. The tops of tha wheels and some of the legs of the borsen of this cher-a-bane, the end of the whip-lash and the lower iow of the conductor-who was just herinning to yawn-were perceptibly in motion, but all the rest of the lumbering conveyance seemed still. And quite noiseless except for a faint rattling that came from one man's throat! And as parts of this from edifice there were a driver, you know, and a conductor, and eleven people! The effect as we walked about the thing began by being madly queer, and ended by being-dissorreable. There they were, people like ourselves and yet not like ourselves, frusen in careless attitudes, caught in mid-resture. A girl and a man amiled at one another, a leering smile that threstead to last for evermore; a woman in a floory espelline rested her arm on the rail and stared at Gibberne's bouse with the unwinking stare of

sterolty: a mon stroked his mustoobe like a figure

at them, and then a sort of disgust of them come upon us, and we turned away and walked around in front of the cyclist towards the Less.
"Goodness" cried Gibberne, suddenly; "look He pointed, and there at the tip of his faseer and sliding down the air with wings fispeing slowly and a bee.

with extended fineers towards his loosened hat. We

And so we came out upon the Leas. There the thing seemed madder than ever. The band was playing in the upper stand, though all the sound it made for us was a low-pitched, wheeny rattle, a sort of prolonged host sigh that passed at times into a sound like the slow, muffed ticking of some monstress circle. Process people street arest strange. silent, self-conscious-looking dummies bung unstably in mid-strids, promenading upon the grass. I passed close to a little peedle dog suspended in the net of learning, and watched the slow movement of Gibberne, and we balted a moment before a magnificent person in whote faint-strend flantels, white sboos, and a Panema hat, who turned hack to wink at two garly dressed ladies be had passed. A wink, studied with such leisurely deliberation as we could afford, is an unattractive thing. It loses any quality of alert guicty, and one remarks that the winking eye does not execulately close, that under

its drooping lid appears the lower edge of an eyeball and a little line of white. "Heaven give me memory," said I, "and I will never wink again." "Or arnie." said Gilbarne, with his eye on the lady's anamaring teeth. "It's infernally bet, somebow," said I. "Let's go alower."

"Oh, come along!" said Gibberne. We picked our way among the bath-chairs in the path. Mean of the people sitting in the chairs seemed almost natural in their passive poses, but the contorted accordet of the bandsmen was not a restful thing to see. A purple-faced little gentleto refold his newspaper against the wind; there were many evidences that all these people in their aluggish way were expected to a considerable breeze, a becese that had no existence so far as our seasations went. We same out and valked a little way from the crowd, and turned and regarded it. To see all that multitude changed to a nicture, smitten rigid, as it were, into the semblance of realistic wax, was impossibly wanderful. It was abourd, of course, but it filled me with an irrational, un exultant some of superior advantage. Consider the wonder of it! All that I had said and thought, and done since the stuff had become to work in my write had hornesed. so far as those people, so far as the world in general went, in the twickling of an eye. "The New Accelerator----" I began, but Gibberte interrupted

#### "There's that infernal old woman!" he said. "What old weman !"

"Lives next door to me," said Gibberns, "Han a landog that yaps, Gods! The temptation is strong?" There is semething very boyish and impulsive shout Gibberne at times. Before I could expostulate with him he had dashed forward, matched the unfortunate animal out of widther discience, and was running violently with it towards the cilif of the Laz. It was must extractedizary. The little brack, you know, dish't berk or wright or make the statuted of successful reports, and followers held in the table of the state of the state of the state of wood. "Gibborne", I cried, page it down! These I said surrecking cise. "If you run like that "Giblient brackers are point given as at it a!"

He clapped his hund on his thigh and stood hesitating on the warge. "Gibberne," I cried, coming up, "put it down. This heat is too much! It's

ing up, "put it down. This heat is too much? It's our renting so. Two or three miles a second! Priction of the air?"

"What?" he would alwaying at the dow

"What's he said, placeing at the day,
"Persons of the sin," I stocked, "Priction of the sin," Calvacked, "Priction of the sin, Calvacked, "Priction of the sin, Calvacked, "Priction of the sin, Calvacked, "Richested Chiberted," On the several chiberted, and a seri of perspiration. You can't say people starting sightly. I believe the staff's working off! Put that day down," "Eller' be said," working off, "I recented, "We're too hat and the staff's working off," I recented, "We're too hat and the staff's working off," I meet the said."

He stared at me. Then at the hard, the wheep rattle of whose performance was creatingly noise faster. Then with a trencedors sweep of his arm be lurished the day sway from him and it went spirshing upsard, still immirate, and hang at last ever the grouped parameted of a last of chattering resoludor, and the start of the start of the conciled. "It allows to last a last of the pression are refer. That mark moving his geolect-handlers third Perceptible, We smad got on of this sharp."

Locking, perhaps; Fer we might have run, and if we had run we should, I believe, have larned into finans. Almest certainly we should have lower into finans. Almest certainly we should have lower into finans and the state of the state. But before we could save height for run the strine of the stury had consend. It was the strine of the stury had consend. It was the string of a caretaln, wonderwise passed like the draw-ling of a caretaln, wonderwise passed like the draw-ling of a caretaln, wonderwise passed like the draw-ling of the string of t

hand. I heard difference wow in inflation along. Fee, come, he and an Dop, down point the test at Fee, come, he and an Dop, down point the test at There is a patch of herri greats there still where up as I ald an, the discribinated whereaft is wake up as I ald an, the discribinated whereaft is wake up as I ald an, the discribinated whereaft is up as I ald an, the discribinated whereaft is up as I ald an, the discribinated whereaft is up as I ald an, the discribinated without the way, the papers and daze began flatpring, small passed into weeks, the winker finished his with and word on the way conjunctivity, and all the case where the passed is the second of the The water query that of the passed is "The water query the passed is "The water query that of the passed is "The water query the passed is "The water query the passed is "The water query that of the passed is "The passed

going as fast as we were, or rather we were going as faster than the rest of the world. It was like aloueing down as one comes into a railway station. Everything seemed to spin around for a second to two. I had the most transient feeling of names, and that was all. And the limbs day which had secured that was all. And the limbs day which had secured arm was expended fell with a swift acceleration clean through a halp's parasit. Then we the saving of us. Unions it was been organized all gardnesses in a test-fail, who certainly did start at the right of as each determined as the right of as each determined as expected as a substantial control of the saving of the sa

canned by the fact that a respectable, overfad harden alorging quietly to the east of the bordstand should raddenly fall through the perasol of a lady on the west--in a slightly singed condition due to the en-In these abourd days, too, when we are all trying to be as payehis, and silly, and superstrilous as passible! People put up and trod or other people. choice were expensed, the Lana relicemen ran How the matter settled itself I do not know-we were much too gravious to disentangle opposition from the affair and out out of runns of the one of the old contiemen in the bath-chair to make minute manifers. As soon as we seem sufficiently end and sufficiently recovered from our giddliness and nause and confusion of mind to do so we steed up and abirting the growd directed our stone book alone the road below the Metropole towards Gibberne's house. But amidst the din I heard were distinctly the gentleman who had been sitting beside the lads of the runtured sunshade using quite mainstifiable

ants who have "inspector" written on their cars. "If you didn't throw the dog," he said, "who did!" The sudden return of movement and familiar points, and our natural prodety about stressless (con civiles were still dreadfully het, and the fronts of the thicks of Gibberne's white traggers were scorched a drabbish brown), prevented the minute observations I should have liked to make on all these things. Indeed, I really made no observations of any scientific value on that return. The hear of course, had gone. I looked for that evelint, but he was already out of sight as we same into the House Sandgate Reed or hidden from us by truffe; the stor-a-bane, however, with its monte now all allies and stirring, was distlering along at a spenking pace almost abreast of the nearer church. We noted however, that the windownill on which

we had stepped in petiting out of the bone with digibly signed, and that the impressions of one significant content of the step of the step of the 30 it was I had not first content on the New Acoderotes: Practically we had been rounting about soil with and the step of the step of the step and with a step of the step of the step of the box white the hand had playing steps two bern flow the effect it had upon us was that the white how white the hadings, and periodically considering a state of the step of the step of the step of contrasting and the step of the boxes. It is our rankers to the step of the step of the disagreealite that it was. It between, to death

that Gibburne has still much to learn before his (Continued on more 94)

# The MAN from the ATOM By G. Peyton Wertenbaker

AM a lost soul and T when one is without I can but he alok for a beens that has some. For my

are, and there is now not even a trace of its former existence. ions of yours see, I say, all troth and cornectness. I must tell the tale ... though there in no man left to understand it I well remember that meening when my friend Pendance Mantwo called me to him on a matt of the greatest importance. easts, geniuses where Sei-

wary explain that the Besterre would not recognize because thes who represented Source. Martwo was first of all a prigortist but almost as equally he was a where the ordinary man crept and required a complete model before

the results of his work grasped the great reted week, the vast, far reaching effects, and then built with the end The Professor had few friends. Ordinary

cause they were un greatness of his vision. Where he plainly naw nictures of worlds and universes, they vainly groped omeny nictures of his words on printed pages. That was their impression of a word. A group of letters. His was of the picture it presented in his mind. I however, though I had not the alightest claim to

and always willing to carry out his strange experi-

ments for the sake of the adventure and the strangeness of it all. And so the advantages were

equal. I had a mysterious personage ready to fur-

eigh me with the unpured. He had a willing sub ject to try out his inventions, for he reasoned quite naturally that should be himself perform the expartments, the world would be in danger of leains a mentality it might eventually have need of And so it was that I burried to him without the scientific knowledge, was remarkin to a high degree, elightest hesitation upon that, to me, recentous day of days in rev life. I little realized the overt

change that noon would come over my existence, yet I know that I was in for an adventure, certainly

startling, possibly fatal. I had no delusions con-I found Professor Martyn in his laboratory bend-'ree, with the even of a miner counting his cold, over a time reaching that might engine have ditted in our poolest. He did not see me for a moment, but when he drafte leabed on with a sigh of regret that he must tear his even away from his new and wonderfol beain-child, whatever it might be he served me a little mestcodily into a chair, and sank down in one himself, with the machine in his lan. I waited.

places revelf in what I considered a receptive recod "Kirby," he boyse abreptly at last, "have you ever read your Alice in Wenderland?" I gasned.

perhaps, in my surprise. "Alice in-1 are you toking, Professor?"

"Certainly not," he assured me, "I speak in all ASTROPPOSES. "Why, yea, I have read it many times. In fact, is her always struck me as a book to appeal more to

an adult then to a shift. But what-I con't see test here that is important." He smiled "Perhans I am playing with yea undisk," he said.

"hat do you remember the episode of the two pieces of cheese, if my own recollection is correct, one of which made one grow, the other shrink?" Torontel "The "T rold inconfederable Controls

was correct tell me you have sment your time in mreparing magness cheeses?" He laughed shoul this time and then seems my discomfort, unburdened

"No Kirby, not just that, but I have indeed constructed a machine that you will be incompile of helieving until you try it. With this little object in my ksp, you could grow forever, until there was

nothing left in the universe to curpass. Or you could shrink so as to observe the minutest of atoms. standing upon it as you now stand upon the earth It is an invention that will make scientific knowl-

with flushed face and pleaseing ayes. I could find pothing to say for the thing was collowed. magnificent in its peesihilities. If it worked, But I sould not realed a supple cion of so tiny a machine. "Professor, are you in

are. But here the hane therease in olde and pushed to are almost find. Here we have increase in size and pushed to man to commit discretions. And we are told of the absolute correct?" I cried. "Have I ever Sented

mathematicies we read of the injeterious change in size of the Arrelov, the charceing fittle Afric. It tells

about so wenderful a thing?" he retested quietly. I knew he had not.

"But surely that is merely a model?" "It is the machine start?" I was too astroppied to speak at first. But finally.

"Tell me about it," I gasped. "This is certainly the recet fantsatic invention von have made vet! How does it week?" "I am afraid," supposted Professor Martyn, "that you could not understand all the technical details. It is horribly complicated. And headers, I am anxloss to try it out. But I will give you an idea of it.

school, without heine entirely exhausted. It is this principle that is used in shrinking. I hardly understand the thing's mechanism morelf...it was the result of an applicant but I know that the machine not only divides every stem, every molecule. every electron of the body into two exactly equal parts, but it accomplishes the same feat in itself. thus bearing these with the manipulator. The matter it removes from the body is reduced to a rangue form and left in the air. There are six wires that you do not see, which connect with the body, while the machine itself is placed on the chest hald be a assall helt that carries wires to the front of the

hody where the two controlling butters are wheed "When the user wishes to grow, he present the urner botton, and the machine then extracts atoms from the air which it converts, by a reverse method from the first, into atomo plantical to certain ethers in the bedy, the two atoms thus formed joining into one large particle of twice the original size. "An I said. I have little ofen of my femention ex-

cent that it works by means of atomic energy. I was intending to make an atomic energy motor. when I observed cartain parts to increase and diminish strangely in size. It was practically by blind instinct that I have worked the thing un-And now I four I shall not be able to discover the

with great care, another such reachine, for I are afraid to risk taking this apart for analysis," "And I." I said suddenly, with the awe I falt for such a discovery quite perceptible, I fear, in my tooe, "I am to try out this machine?" "If you are willing," be said simply "You must

realize, of course, that there are a multitude of unknown dangers. I know nothing of the complete effects of the machine. But my experiments on inanimate objects have seemed satisfactory."

"I am willing to take any rinks," I said enthusiastically, "If you are willing to risk your great IN "Allee in the Looking Glass" the breatiful play of funcy which gove immertal func to a improve and

reachine. Why, don't you realize. Professor, that this will revolutionize Science? There is nothfor bordly that will be Enknewn, Astronomy will be complete, for there will be nothing to do but to increase in aire excueb to

observe beyond our atmorphere, or one could stand upon worlds like rocks to examine others." "Exactly. I have calculated that the effect of a have foot covering whole countries would be slight. se equally distributed would the weights he. Prob-Ably it would rest upon tall buildings and trees

with case. But in space, of course, no surmer "And then, as you said, one could chrink until the mysteries of electrons would be ravealed. Of

course, there would be danger in descending into apparent nethingness, not knowing where a new world-atom could be found upon which to stand.

But dangers must be risked." "But now. Kirty," remarked the Professor off-"Of course, you know that an object may be divicially, "time passes, and I should like you to make

#### your little journey soon that I may quickly know of huttons on my chest, and connected the six wires its results. Have you any affairs you send hise. to the arms and other parts of my holy to put in order, in case-" Professor Martyn granged my hand then, and

AMAZING STORIES

"None," I said. I was always ready for these experiments. And though this promised to be magni-Scently momentous, I was all ready. "No, if I return in a few hours, I shall find everything all right. If not, I am still prepared." He beamed in approval. "Fine. Of course you understand that our exeriment must take place at some secluded snot.

If you are ready, we can proceed at once to a country laboratory of mine that will. I think, he cafe," I asserted, and we hastily derived our averyouts. the Professor spending a moment or two collecting some necessary apparatus. Then we recked the machine in a safe box, and left his home.

"Are you all ready, Kirby?" The Professor's voice was firm, but my practiced car could detect the slightest vibrations that indicated to me his intense inner feelings. I hesitated a moment. I was not afraid of going. Never that, But there seemed something partaking almost of finality about this departure. It was different from anything I had

ever felt before. "All ready, Professor," I said cheerfully after a brief moment "Are you going to magnify or minimize youroelf?" "It shall be growth," I answered, without a mo-

ment's hesitation there. The stars, and what lay havend. . . . It was that I cared for. The Professor looked at me carnestly, deeply engrossed in thought. Finally he said, "Kirky, if you are to make an exercise into interstellar mace, you realize that not only would you freeze to death, but also die from lack of air."

Walking to a cabinet in the year of the room be spened it and withdrew from it some strange lookine paranhermalia. "This," he said, holding up a sucer looking suit. "In made of a great quantity of interlocking metal cells, hermetically scaled, from which the air has been completely exhausted so as to give the cells a high varuum. These separate cells are then moun into the fabric. When you wese this suit, you will, in fact, he enclosed in a sort of thermas bottle. No hest can leave this suit.

and the most intensive cold cannot penetrate through it." I arriable got into the spit, which was not as hence as one might imagine. It covered not only the entire hody, but the feet and hands as well, the band After I had matten into the soit the Professor placed over my head a sort of transparent dome which he explained was made of strong unbrestable bakelite. The globe itself really was made of several globes, one within the other. The clobes, only touched at the lower rim. The interstices

part heing a port of mitten. where the globes did not touch formed a vargum. quently heat could not escape from the transparent head piece nor could the cold come in. From the back of this head gear, a flexible tube led into the interior; this tube being connected to a small com-

"Then goodbye, Kirby, for awhile. Press the first button when you are ready to go. May the Fates The Professor next placed the transparent head over over my head and secured it with attachments to my vacuum suit. A strange feeling of quietness and solitude came over me. While I could still see the Professor, I could hear him talk no longer as sounds expect pierce a vacuum. Once more the Prefence shook my hand warmly Then, somehow, I found myself pressing down

said in his firm, quiet voice:

he with you!"

the unmerment of three buttons. Imparely there was a tingiling, electric flash all through my hody. Martyn, trees, distant buildings, all seemed to shoot away into nothingness. Almost in panor, I pushed the middle button. I stormed. I could not help it. for this disappearing of all my world acted upon my consciousness. I had a strange feeling that I was leaving forever. I looked down, and Professor Martrn, a tiny speck in an automobile far below, waved up to me cheerfully as he started his our and began to speed

away. He was feeing the immediate danger of my greath, when my feet would haven to coper on immenne area, until I could be almost entirely in space. I gathered my outstore outside, ferrely, and versued the top button again. Once more the earth began to get amalier, little by little, but fastey. A tingline constion was all over me, exhibitating if almost painful where the wires were connected upon my foresrmo, my legs, about the forehead, and upon my chest It did power norm an though I was changing, hur rather that the world was shrinking away, faster and faster. The clouds were falling men me with

threatening swiftness, until my head broke suddenly through them, and my body was obscured, and the earth below, save tiny glimpses; so though of a dutant landscape through a for. Far awar I could non a few tall grant that broke through come as had I, scorning from their majestic height the world below. Now indeed, if never before, was ver head "among the clouds!" But even the clouds were going. I began to get

an idea of the earth as a great hall of thick cloud. There was a pricking aggration beneath my feet as though I stood upon pine needles. It gave me a feeling of power to know that these were trees and

I began to feel insecure, so though my support were doing scenething stealthy benesth me. Have you ever seen an elephant perform upon a little rolling ball? Well that is how I felt. The earth was rotating, while I no longer could move upon it. While I pondered, watching in some alarm as it became more and more like a little hall a few feet thick, it took matters in its own hand. My feet slipped off, suddenly, and I was bying absolutely metionless, powerless to move, in space!

I watched the earth awhile as it shrank, and even observed it now as it moved about the sun. I could pressed oxygen tank, which the Professor strapped

see other planets that had grown at first a trife larger and were now getting smaller again, about He then placed the wonder machine with its row the same size as the earth, timy bulls of no

I suddenly observed, far away, a huge brightness that seemed to extend all over the universe. But it began definitely. It was as though one were in a great hell, and the nebulse, a sunlike body now, and closer together. I found a number bring pracwere in the center. But as I herama larger with tically on the plane of my chest, but above that they every instant, the read-like thing differed even as seemed to cause. I could now see no planets, only before things had converged, and formed into accorthe ties our receipt further and further, faster and ate bodies. like stars. I passed through them finalfaster along its path. I could discern, it seemed ly, and they came together again behind me as I to me, a trend in its and its companions' noth. For shot away, another great body A coincidence suddenly struck me. Was not this

system of a creat hall affect with a resolute within to more arrows my vision. Gradually I come to unsimilar to what the atom was said to be? Could derstand that this was a great circle swinging wastthe nucleus and its great shell be opposite poles of electrical energy, then? In other words, was this I had grown until the stars were circling now an electron - a burn electron composed of univershort my less. I seemed to be the center of a breez sen? The idea was terrible in its magnitude, somevortex. And they were coming closer and closer thing too huge for comprehension together, as though to hem me about. Yet I could And so I srow on. Many more of these electrons. not move all of me away. I could only move my if such they were, suthered together, but my luck held and I massed beyond this new body thus formed The nearest star, a tiny bright speck, was a few -a molecule? I wondered, Suddenly I tired of the endless procession of stars coming together, form-

ing ever into new sters that came torother too. I was getting homesick. I wanted to see human faces about me again, to be rid of this funtantic nightmare. It was surreal. It was impossible. It A sudden immulae of fear took hold ween me. This should not go on forever. I had to see my earth squin. All at once, I reached down, and

But fast as a swiftly moving vehicle may not step at ones, so could not L. The terrific mementum of my growth carried me on, and the machine moved still, though slower. The stars segmed shoeting upon me, closing about me. I could see no and

cold, clammy thing that yielded to the touch, and-

of them before me. I must stop or they would be about me. Closer in they came, but smaller and excellen-They became a thousand pippoints shooting about but my growth had stopped. The cloud became a

now about a center near which was what I imperiod to be the sun, though I had loot truck of it comebou. They merged closer and closer together, the vest group shrunk more and more, until finally they had become indistinguishable as extities. They were all part of a huge cloud now, that seemed somehow familiar. What did it suggest? It was nale dif-They marred into a thick tennous cloud about fused at the ends, but thick and white in the center, me, thicker and thicker. I was shooting up now. like a rebul- a rebula! That was it! A great light

The stare were seen only a few feet aport below me, then a few inches, and suddenly, looking out beyond them. I was atruck with the fact that they seemed to be a great group, isolated from a number of far distant bictohes that were swart from these The stare were moving with incredible awiftness

broke over me. All these stars were part of a great

limbs and head in relation to my stationary body vards away. My own sun was like a bright neefed upon a blackboard. But the stars were coming nearer and nearer. It seemed necessary for me to move somehow, so I drew my legs up and shot them out with all my force. I began to move slowly away, having acted upon what little material substance there was in the other.

shout their perent too swiftly to be followed with I could see all the stars moving hither and you your although they still continued to annear stones

seamed to be cutting smaller rather than larger. I looked again at my corn system. To my emporment. it had moved what seemed about a yard from its former position, and was much attaller. The planets I saw no longer, but there were faint streaks of tight in circles about the are, and I understood that these were the turcles of the worlds that your mores!

the opposite way on the other. In front, they seemed

suspended in the sky in a half-citting nosition as I Turning my head away all at once, I observed in some surreine that some of the story were grove. ing larger, coming nearer and nearer. For a time I watched their swift corrosesh but they gradually

my feet now, and the planets were traveling about it swiftly. I could see the light reflected on one side durk on the other, on each planet. The sun could be seen to move perceptibly too, though very allebily. As my feet green larger, threatening to

wave week light for there was no observables to diffuse it. It was a great blinding ball of fire near

can to wonder. Could there he rothing more in gan to wonder. Could there be nothing more in infinity than universe after universa, each a part of another greater one? So it would seem. Vet the

small was man me and I was not sendy to admit such shunffelly yet. I wust on on. And my earth!

It could not even be found, this subero that had

itself seemed always the universe. But my growth was terribly fast now. The other

nabulae wore recreing, it would seem at first, ween

me. But my slow progress through space became

faster as I grow larger, and even so they earns when me. Else flying arrows now. I shot above these Then

the, time flying arrows now, I shot above them. Then they, too, merged. The result was a yout sucleus

A great light began to grow all about me. Above

#### AMAZING STORIES and it was water! Yes, pure water! And I was tain that it was my own nebula I entered, and I was

floating in it. . . . Years. . . . . Suddenly I shot up, out of the water, and fell back. Strength returned to me, and warmth, and

love of life. It was water, something I knew something familiar, a friend. And so I swam, swam on and on metil my feet touched bottom, and I was longing forth out of the water, on to the sand. . . .

66

There is no need to drag the tale sert. I awyles finally from an exhausted sleep, and found myself in a world that was strange, yet familier. It might have been a lonely part of the earth, except for an atmosphere of strangeness that teld me subconaciously it was another world. There was a one but it was far distant, no larger than my meen. And vast clouds of steam hune over the tunotes beyoud the sand, obscuring them in a shimmering fog, electring the san so that it denced and climmered harily through the curtain. And a perpetual

I tried to tell myself I was in some strange manner borne. But I knew I was not. At last, breaking beporth the weight of homesiskness and recree I apprendered to a fit of warning that shamed you membered even as I went. Then a mond of terrible unreasoning anger against Fate enveloped me, and I stormed here and there about the beach.

twillight thus reigned.

And so, all through the night, I alternately wept and raged, and when the dawn come I cark again in peaceful alumber. . . .

When I awake, I was calm. Obviously, in stop-ping I told myself I had been left in a circul of atoms that proved to be part of another group of matter, another earth or steen, as you will. The particular atoms I was in were nort of the open The only thing to do was to return. I was ashemed of my madness now, for I had the means of return. In the third button . . . the bettern button. I saw no reason for delay. I splashed back into the water, and swom hastily out to the point where it seemed I had risen, 'I pushed the lewest button. Slowly I felt revealf grow smaller and smaller the sense of suffocation returned, only to pass away as the purpoints shot about me again, but away this time. The whole nightmare was repeated now, reworsed, for everything seemed to be energing up before me. I thrilled with joy as I thought of my return to my home, and the Professor again. All the world was friend to me now, in my thoughts, a

friend I could not bear to lose. And then all my hopes were dashed. How, I thought, could I strike my own earth again? For even if I bad even to the right and in the water to a certainty, how could I be sure I would pass between just the right cloud of molecules? And what would lead me to the very clertron I had left? And, after the ancieus, why should I not enter the wrong nabula? And own if I should hit the right rebuly how should I find my own pter, my own earth? It was hopeless, impossible! . . And yet, so consti-tuted is human nature that I could hope neverthein the center, where the sun should be. It sounds fantactic, it is fantactic. The lock of a lifetime, an infinity, for me. Or so it should have been. But I looked where the sun curbt to be found, in the cena sinking heart. But the sun-was cone! I lay motionless in the depths of space and I watched felly the stars that reamed here and there. Black despair was in my beart, but it was a descripness. It was beyond human emotion. And I was

dazed, perhans save a little read The stars were they pimpoints of light, and they shot back and forth and all around like purposeless nothings. And ever would they collide, and a greator pinpoint would be born, or a thousand pieces of fragments would result. Or the two might start off on new trucks, only to collide again. Seconds it took them to cover what I know to be billions of trillions of light-years. And gradually the troth dawned some me the

awful truth. These stars were sans, even as mine had been, and they graw and died and were rebeen. it seemed now, in a second, all in a second. Yet fair races bloomed and died, and worlds lived and died races of intelligent beings strove, only to die. All in a second. But it was not a second to them. immune size was to blame on my part. For time is relative, and depends upon size. The smaller a creature, the shorter its life. And yet, to

itself, the fly that lives but a day has passed a life time of years. So it was here. Because I had grown large, contaries had become but memorie to me And the faster, the larger I grow, the swifter the years, the millions of years had rolled away. I remembered how I had seen the streeks that meant the planets going about the sun. So fast had they revolved that I could not see the circuit that meant but a second to me. And yet each incredibly swift. revolution had been a year! A year on earth, a second to me! And so, on an immensely greater scale, had it been as I grew. The few mirutes that meant to me the sun's movement through the either of what seemed a yard had been centuries to the earth. Refere I had lived for mireton of my stronger existence, Professor Martyn had vainly hoped away a lifetime, and died in hitter downly. Men had come and died, races had flour(shed and faller. Perhaps all mankind had died away from a world stripned of air and water. In ten minutes of my life. . . And so I sit here now, pining hopelessly for my Mother Earth. This strange planet of a strange

star is all beyond my km. The men are strange and their customs, envious. Their language is beyond my every effort to comprehend, yet mine they know like a book. I find myself a savage, a creature to be treated with pity and contempt in a world too advanced even for his comprehension. Nothing here means arothing to me I live here on sufferance, as an ignorant African might have lived in an incomprehensible, to him.

London. A strange greature, to play with and to be played with by children. A clown . . . a savage

. . . 1 And years as I will for my earth. I know I may never know it again, for it was gone, forgotten, My God! Impossible as it is, I did it! I am ournon-existent a triffion centuries are. . . . !

# The THING from "OUTSIDE" By George callen England "



school they mere \*

EY sat about their comp-fire, that little party of Americans retreating acuthured from Hudson Roy before the on-coming menace of the event cold. Sat there, stelld the awe of the North,

der the upcasinous that the 's trek had hid upon their scale. The three men amelied. he two women huddled close to esch other. Fireglow picked alebt amone the dwarf fire muching marmer told of the Allury River's haste to sessoon from the wildsrages, and reach

"I don't see what there was in mere circular print on a rockirder to make our suiden desert." said Professor Thurburn Wie saire was as dry as his whole personality. "Most extraordi-

"They know what it was, all right," answered Jandren, pecisgist of the party, "So do 1." He rubbed his covered wasterby. His ever stirred proving to his own satisfaction that nothing

This atory about to read outle corefally, and w is more in the state of a fally, and if is necessary to mer ene's anyone and entreerdance. If disserving public in order to study their

It may be toben as a certoisty that Jatelligence, as the underestand it, is not and unit of our resch. It is also not may Anno De arthus only in a hade at firsh and bland.
There is no resons for disbelleship that a Super-Intelligence might not

grayly. I've seen prints like that before. That was existed bayend the score of manifol's everythat on the Labrader. And Pue seen things homes. Hife, But sobody cave him much heed, And silene

"Something surely bappened to our guides, be-fore they'd got a mile into the knah," put in the Professor's wife; while Vivian, her sister, raped into the fire that revealed b as a beauty, not to be spoil even by a tem and a rough-knit sweater. "Men den't sheet will ly, and scream like that, un-

"They're all three dead new. anybow," put in Jandres. "Bo they're out of harm's way. While we-well, we're two hundred and fifty weeked miles from the C "Forget it, Jandy !" said Mar the fournalist, "We're that suf-

fering from an attack of nervea that's all. Give me a fill bacov. Thanks. We'll all be better in the morning, Ho-bum! New meeting of speaks and He launched into an account of how he had once exposed a

franchist spiritualist, thus

## fall smooths little night-encomment in the wilder

AMAZING STORIES

Pale, cold stars watched down from spaces infinitely for housed man's trivial would Next day, stopping for show on a ledge miles upstream. Jandren discovered another of the prints. He sentionely engreened the other two man. Then

examined the print, while the women-folk were busy by the fre. A harmless thing the marking seemed only a ring about four inches in dismeter, a kind of esmahaned deversales with a valued center. A sort

of glano coated it, as if the gravite had been fused by heat. Jandron knalt a well-knit flaure in bright monki-

naw and canyon leavings, and with a chaking finger exclored the smeeth surve of the print in the rock.

"We'd better get along out of this as quick as we ear," said he in an urnatural mice. "You've get

rour wife to protect, Therbarn, and L-well, I've ent Vivian. And-"Von hoor !" ninged Maye. The light of an out

jealously gleamed to his heavy-lidded look. you need to an attendat? "Really, Jandren," the Professor adminished

"you mustn't let your imagination run away with YOU." "I suppose it's imagination that keeps this print cold?" the occlosist retorted. His breath made

faint swifting colls of vapor shows it. "Nothing but a not hale," indeed Thurburn, bending his spare, angular hody to examine the print. The Professor's vitality all second centered in his his talend shall that sheltered a marcelloss think-

ing machine. Now he not his lean hand to the hase of his brain, subbing the back of his head an if it asked. Then, under what seemed some powerful compulsion, he ran his bony finger around the

"By Joye, but it is cold?" he admitted. "And looks as if it had been stammed right out of the

stone. Extraordinary!" "Dissolved out, you mean," corrected the geologist, "By cold." The journshipt laughed mockingly.

"Wait till I write this up?" he speered, " Noted Geologist Declares Frigid Chast Dissolves Gran-

Jandron ignored him. He fetched a little water from the river and neured it into the print. "Ice!" ejsculated the Professor. "Solid ice!" "Fragen in a second," added Jandron, while Marr

frankly stared, "And it'll never melt, either. I tell year. I've seen nome of those rings before; and every time, heaville things have hausened, Incred-

ible things! Semething burned this ring out of the stone-burned it out with the cold interstellar space. Semething that can import cold as a permaneed enality of matter. Semething that can kill matter, and totally remany it."

"Of course that's all sheer popayoock," the lournelfet tried to laugh, but his breen felt numb. "This something, this Thing," continued Jandron, "is a Thing that can't be killed by builets. It's

what caught our guides on the harrans, as they ran away-poor fools!" A shadow fell across the print in the rook, Mrs. Thurburn had come up, was standing there. She

saying.
"Nonequel" she tried to exclaim, but she was That night, after a long afternoon of paddling and portaging-laboring against inhibitions like those in a nightmare—they camped on shelving rocks that shated to the river. "After all," said the Professor, when surmer was done, "we mustn't get into a penie. I know extraordinary thenra are reported from the wilderness. and many then one men has some and regime. But we, hy Jove! with our superior brains-we aren't

had overheard a little of what Jandron had been

going to let Nature play us any tricks!" "And of course," added his wife, her arm about Vivian. "everything in the universe is a natural force. There's really no super-natural, at all." "Admitted," Jandron replied, "But how about

things sutpole the uneverse?" "And they call you a adjustist?" sibed Marry hot the Professor leaved forward, his brown kedt, "Hm!" he evented. A little ellerge fell. "You don't mean, really," asked Vivian,

"You don't mean, really," asked Vivian, "U James inches at the girl. Her beauty haland with ruddy gold from the firelight, was a pain to him as he answered "Yes, I do. And dangerous life, too. I know what I've seen, in the North Country. I know what I've

Silence again, save for the crepitation of the figures, the fall of an ember, the murrour of the that circle of flickering light ringed by the forest and the river broaded over by the rale stars. "Of course you can't expect a scientific man to

take you seriously," commented the Professor. "I know what I've seen! I tell you there's Something entirely outside man's knowledge," "Poor fellow!" scoffed the journalist; but even as he spoke his hand pressed his forehead.

"There are Things at work." Jandron affirmed. with dogged persistence. He lighted his pips with a blaxing twig. Its fame revealed his face drawn, lined. "Things. Things that recker with us ro more than we do with ants. Less, perhaps."

The flame of the twig died. Night stood closer, watching. "Buppose there are?" the girl asked, "What's that got to do with these prints us the rock?" "Then," saymened Jandron, "are marks left by

one of those Things, Footprints, maybe, That Thing is near us, here sad now!" Marr's laugh broke a long stiffness. "And you," he excinimed, "with an A. M. and a

B. S. to wrote after your name." "If you knew more," retorted Jandson, "you'd know a devillab aught lens. It's only ignoruses that's

tock-oure." "But," dogmatized the Professor, "no extentist of any standing has over admitted any autoids inter-

ference with this planet." "No, and for thousands of years poboty ever admitted that the world was round, either. What I've

"Well, what have you seen?" asked Mrs. Thorhurn, shavering, "You'll excuse me, please, for not going into that

just new."

"It'll do any informal thing it takes a fancy to, ven! If it bappens to want us-" "But what could Things like that want of us? Why should They come bere, at ail?" "Oh, for various reasons. For inaximate objects.

at times, and then again for living beinge. They've come here lots of times. I tell you," Jandron asserted with strange irritation, "and got what They wanted, and then gone away to-Somewhere. If one of Them happens to want us, for any reason, It will take up, that's all. If It doesn't want us. It

will ignore up, as we'd ignore sprilles in Africa if we were looking for gold. But if it was corillafor we wanted, that would be different for the gorillas, wouldn't it?"

"What in the world," saked Vivian, "could awell, a Thing from Outside want of an "What do men want, say, of guines-pigs? Mer

experiment with 'em, of course. Superior beings use inferior, for their own ends. To assume that men is the supreme product of evolution is evons self-conceit. Might not some superior Thing want

to experiment with human beings? "But how!" demanded Marr "The human brain is the most bighly-organized

form of matter known to this planet. Surmose, "Nonsesse!" interrupted the Professor, "All

hands to the sleeping-bags, and no more of this. I've got a wretched beadache. Let's anchor in Blanket Bay P He, and both the somen, turned in. Jandros and Marr sat a while leaver by the fire. They least

plenty of wood piled on it, too, for an unnatural chill transfixed the night-sir. The fire burned At learth, after yast acerbities of disagreement the geologist and the newspaperman sought their

steeping-bases. The fire was a comfort. Not that a fee could avail a pin's weight against a Thing from interstellar space, but subjectively it was a comfort. The instincts of a million years, centering around protection by fire, cannot be obliterated. After a time-worn out by a day of nerve-strain

and of hattling with swift surrents, of flight from Something unvisible, intengible—they all slept. The depths of space, star-sprinkled, burg above

them with rustness immeasurable, cold beyond all understanding of the human mind. Jandron wake first, in a red dawn

He Mickel at the fire as he crawled from his sleeping-box. The fire was dead; and yet it had not burned out. Much wood remained enconversed,

charred over, as if some gigantic extinguisher had in the night been lowered over it. "Harried" everyled Jandron. He elanced about

him, on the ledge. "Prints, too. I might have He aroused Mary. Despite all the Souvalist's mecking hostility, Jandren felt more in common

with this man of his own are than with the Profernor, who was close on sixty "Look bere, now?" said he, "It has been all around here. See? It not out our fore-maybe the fire annoved It, some way-and It walked round us, everywhere," His may even smouldered. "I guess, by gad, you've got to admit facts, now!"

evurshilter some unintelligible thing. He washed unsteadily, and remained crouching at the river's Jandron, despite a gnawing at the bese of his, brain, carefully examined the ledge. He found prints scattered everywhere, and some even on the river-bettern near the shore. Wherever water had collected in the prints on the rock, it had fromen hard. Each result in the risershed too was white with ice. Ice that the rushing current could not

The journalist could only abiver and stars

fresh prints?"

lin, inert, aumbed.

"Lord, what a kend I've out on me, this morning?"

he chattered. He rubbed his forehead with a shak-

ing band, and storted for the river. Most of his

assurance had vanished. He looked built done

"Well what say?" decoanded Jandron. "See these

"Demn the prints!" retorted Mary, and fell to

"Well, by gad?" he exclaimed. He lighted his pipe and tried to think. Horribly afraid-yes, he felt horribly afmid but determined. Presently, as a little nower of concentration came back, he noticed

that all the prints were in straight lines, each mark about two feet from the next "It was observing us while we slept," said Jan-"What nonsense are you talking, sh?" demanded

Marr. His dark, heavy face surged. "Fire, now, and grub?" He got up and shuffled unsteadily away from the river. Then he stouped with a jerk, staring, "Look! Look a' that som!" be gulped, pointing Jandron picked up the axe, by the handle, taking

good care not to touch the steel. The blade was white-furred with front. And deep into it, punching out part of the edge, one of the prints was stamped. "This metal," said be, "is clean cone. It's been "This metal," said be, "is then gone. At a new absorbed. The Thing doesn't recognize any difference in materials. Water and steel and rock are

"You're erazy!" snayled the journalist. "How could a Thing travel on one leg, bouging along, making marks like that?" 'It could roll, if it was disk-shaped. And-"

A cry from the Professor turned them. Thorburn was stumbling toward them, hands out and "My wife-1" be choked

Vivian was kneeling beside her sister, frightened, teel "Samething's harmoned?" stormered the Profes-

sar. "Here- come here-" Mrs. Therbarn was havend any power of theirs. to help. She was still breathing; but her respirations were stertorous, and a complete paralysis had

strucken her. Her eyes, half-corn and expressionless, showed pupils startlingly diluted. No resources of the party's drug-kit produced the slightest effect on the warran

The next half-hour was a confused panie, brenking camp, cetting Mrs. Therburn into a canon, and leaving that accuraed place, with a furious energy of terror that could no longer reason. Up-stream, ever up against the swirl of the current the party fought, driven by horror. With no thought of food or drink, paring no heed to lendmarks, lasted forward only by the mad desire to be some the three

#### AMAZING STORIES

men and the girl flung every conce of their energy into the passies. Their parting breath wineful with the sound of swirling colles. A most-blurred sun broaded over the northern wilds. Unheeded. heats of black-flies solve birk-nitched knowless all about the furitives. On either hand the forest waited watehed

Only after two hours of sweating toil had brought exhaustion did they stop, in the shelter of a cove where black waters circled, foam-feeked. There they found the Professor's wife-she was dead Nothing remained to do but bury ber. At first

Thorburn would not hear of it. Like a madman he insisted that through all hounds he would fetch the body out. But no-impossible. So, after a terrible time, he yielded. In spite of her grief, Vivian was admirable. She understood what must be done. It was her voice that said the prayers; her hand that-beleing

flowers-laid the fir boughs on the cairn. The Profeesor was daged past doing anything, saving any-Toward mid-afternoon, the party hoded again, many miles un-river. Necessity forced them to est. Fire would not burn. Every time they lighted it. it smouldered and went out with a heavy, greaty

smoks. The fugitives ate cold food and drank water, then showed off in two canoes and once more In the third came, hashed to the edge of the forest, lay all the rock-specimens, data and curios,

scientific instruments. The party kept only Marr's "We can find the things we've left-cometime.

said Jandren, noting the place well. "Sometimesfter It has zone." "And bring the body out," added Thorburn Tears, for the first time, wet his eyes. Vivian said nothing. Marr tried to light his pipe. He seemed

to forget that nothing, not even tobacco, would barn now Virten and Jandren occurried one exces. The other carried the Professor and Mary. Thus the power of the two caroes was about the same. They

kept well together, up-stream. The fugitives paddled and portuged with a damh. what they believed to be the Margattanan. A mile up this, as the blurred oun faded beyond a wilder ness of oreinous affence, they camped. Here they made determined efforts to kindle fire. Not even alcohol from the drug-kit would start it. Cold, then

mumbled a little food; sold, they buildled into their sleeping-bogs, there to lie with darkness leaden on their fear. After a long time, up over a world void of all cound save the river-flow, elid an amber moon notched by the ranged tops of the conifers. Even the wall of a timber-walf would have come as welcome relief; but no wolf howird. Silence and night enfolded them. And every-

where they felt that It was watching. Foolishly enough, as a man will do foolish things in a crists. Jandren hald his receiver outside his alorping-bag, in easy reach. His thought-blarred

by a strange, drawing beadache-was: He realized the complete absurdity of trying to shoot a visitant from interstellar stone; from the

word or look of the girl, seemed to securize his "Duran it. I'll save her, anyhow!" he swore with savage intensity, knowing all the while that what was to be, would be, unmittigably. Do sots, by any waving of antenna, stay the down-crashing fool Next morning, and the next, no eign of the Thing appeared. Hope revived that possibly it might have flitted away elsewhere; back, nerhans, to outer space. Many were the miles the urging paddles summed behind. The furnitives calculated that a week more would bring them to the religions. Fire

Fourth Dimension, maybe. But Jandron's ideas stemed tangled. Nothing would come right. He

lay there, shoorled in a kind of waking night-

mare. Now and then, rising on an elbow, be hearksped; all in wain. Nothing so much an stirred

His thought drifted to better days, when all had

been health, samily, optimism; when nothing except

him. Durs when the simile of the frying-pan over

friendly coate had made friendly wilderness music;

when the wind and the northern eter, the whire

of the real, the whispering vortex of the paddle in

clear water had all been things of fev. Yes, and

when a certain happy moment had, through some

heart's desare. But now-

fully. But where were the fish?

burned again. Hot feed and drink helped, wonder-"Most extraordinary," all at once said the Profereor, at noorday eamp. He had become quits rational again. "Do you realise, Jandron, we've soon no traces of life in some time?" The geologist nodded. Only too clearly he had noted just that, but he had been keeping still "That's so, too!" chimed in Mary, enjoying the

smoke that some incomprehensible turn of events was letting him have. "Not a muskrat or beaver. "Not so much as a great or black-fir!" the Prefessor abled. Jandron suddenly realized that he would have welcomed even those. That afternoon, Mary fell into a suddenly vils

tempor. He mambled curses against the guides, the current, the portuger, everything. The Professor seemed more chearful. Vivian complained of an oppositive heads, he. Jandeon wave her the hat of the aspirin tableto; and as he gave them

took her hand in his. "I'll see you through, anyhow," said he. "I don't count, now. Nobody counts, only you!" She gave him a long, silent look. He saw the sudden glint of tears in her eyes; felt the pressure

of her hand, and knew they two had never been so near each other as in that memont under the shadow of the Unknown. Next day-or it may have been two days leterfor none of them could be quite sure about the passage of time-they came to a deserted lumbercarm. Even more than two days might have usused; because now their baron was all gone, and

only coffee, tobacco, heaf-enhea and nilet-bread rematted. The lack of fish and game had gut alarmingly into the duffe-bag. That day-whatever day it may have been-all four of them suffered terrible from hesdache of an old, ring-shaped kind, as if

something circular wers being pressed down about their heads. The Professor said it was the aun that made his head scho. Vivian hid it to the wind and the gleam of the swift water, while Mary claimed it was the best. Jandron wondered at all

THE THING FROM-"OUTSIDE"

this, inacreash as he plainly saw that the river had almost stopped flowing, and the day had become still They dragged their cames upon a rotting stage of fir-poles and explored the lumber-camp; a mournful place set back in an old "alash," now partly overgrown with scrub poplar, maple and birch. The for buildings, covered with tar-paper partly torn from the pole roofs, were of the usual North Coun-

and overcast.

try type. Obviously the place had not been used for years. Even the landing-stage where once loss "I don't quite get the idea of this," claimed. "Where did the logs up to? Downstream, of course. But that would take 'em to Hudson Bay,

and there's no market for spruce timber or pulpwood at Hudson Ray." He pointed down the currest "You're entirely mistaken," put in the Professor.

"Any fool could see this river runs the other way. A log thrown in here would go down toward the St. "But then," asked the girl, "way can't we drift

back to civilization?" The Professor retorted: "Just what we Ages been doing, all along! Extraordinary, that I have to explain the obvious!" He walked away in a heff.

"I don't know but he's right, at that," half admitted the journalist. "I've been thinking almost the same thing, myself, the past day or two-that is, ever since the san shifted." "What do you mean, shifted?" from Jandron,

"You haven't noticed it?" "But there's been no sun at all, for at least two days 11 "Hanged if I'll waste time arguing with a lunatic!" Marr growled. He woushsafed no explanation

of what he meant hy the sun's having "shifted," but wandered off, prambling "What are we going to do?" the girl appealed to Jandron. The night of her solution, frightened even. of her palm-outward hands and (at last) her very

feminine four, constricted Jandron's heart "We're going through, you and I," he answered simply. "We've got to save them from themselves, you and I have." Their hands met again, and for a moment held. Despite the dead calm, a fir-tip at the edge of the

clearing suddenly flicked aside, shrivelled an id frozen. But neither of them saw it The fugitives, hadly spent, established themselves in the "bor-room" or sleeping-shack of the carm-They wanted to fact a roof over them again if only a broken one. The traces of man comforted them : a couple of broken peavies, a pair of anowebses with

the though all grawed off, a cracked hit of mirror, a vellowed almanac dated 1899 Jamiron called the Professor's attention to this almanac, but the Professor thrust it aside "What do I want of a Canadian consus-report" he demanded, and fell to counting the bunks, over and over again. His big bulge of his forebead, that housed the maurice brain of him, was cooling assent. Mary cursed what he claimed was sunshine through the holes in the roof, though Jandron could see none: elaimed the synchine made his head none.

"But it's not a had place," he added , "We can make a blaze in that fireplace and be comfy. I don't "What window?" asked Jandron, "Where?" Mary language and (owned him Jardren turned to Vivian, who had sunk down on the "deacon-seat" and was storing at the store "Is there a window here?" he demanded "Don't ask ma," she whispered, "I-I don't

lke that window, though,"

With a very thriving fear in his heart, Jandron nested at her a moment. He fell to muttering: "I'm Wallace Jandron, Wallace Jandron, 27 Ware Street, Cambridge, Massachusetts. I'm quite same. And I'm roing to stay so. I'm going to save I'm sans. Quite, quite sane!"

After a time of confused and purposeless wrengling, they got a fire going and made coffee. This, and cabe bosilion with hardtack, helped considershiv. The camp helped, too. A house, even a poor and broken one, is a wonderful barrier against a Thing from-Outside Presently darkness folded down. The men smoked thankful that tobacco still held out. Vivian lay in

a bunk that Jandron had niled with surges bought for her and seemed to sleen. The Professor frotted like a child, over the blisters his peddle had made upon his hands. Mary laughed, now and then; though what he might be laughing at was not apparent. Suddenly he broke out: "After all what should it want of na?" "Our brains, of course," the Professor answered,

"That lets Jandron out," the journalist mocked. "But," added the Professor, "I can't imagine a Thing callously destroying business beings. And Ye4-He stopped short, with surging memories of his

"What was it," Jandron asked, "that destroyed all those people in Valladolid. Spain, that time so many of 'em died in a few minutes after having been toucked by an invisible Something that left a slight red mark on each? The newspapers were full of it."

"Piffe!" yawaed Marr "I tell you," insisted Jandron, "there are forms of life as superior to us as we see to ants. We can't see 'em. No ant ever saw a man. And did any ant ever form the least conception of a rean? These

Things have left thousands of traces, all over the world. If I had my reference books ...." "Tell that to the marines "Charles Fort, the greatest authority in the world

on mexplained phenomena," persisted Jandron, can't emisin, in his Book of the Barred. He claims this earth was once a No-Man's land where all kinds of Things explored and colonized and body's warned off, except the Owners. I happen to remember a few septences of his: 'In the past,

inhabitants of a host of worlds have dropped here, hopped here, wafted here, sailed, flown, motored, walked here; have come singly, have come in excemous numbers; have visited for hunting, trading, mining. They have been upable to stay here, have made colonies here, have been lost here."

### AMAZING STORIES Birches, poplary, rock-maples all stood naked. Only

"Poor fish, to believe that?" mocked the journelist while the Professor blinked and rebbed his "I do believe it?" insisted Jandron. "The world

to conveyed with valley of dayd civilizations, that have paysteriously vanished, leaving nothing but their temples and monements."

"Rubbish!" "How about Raster Island? How about all the gigantic works there and in a thousand other places -Peru. Yucatan and so on-which certainly no

primition race spor hallt to "That's thousands of years ogo," said Marr, "and

Put sleever. For heaven's sake, can it! "Oh, all right. But how explain things, then!" "What the davil could one of those Things want

of our brains?" suddenly gut in the Professor. "After all, what?" "Well, what do we want of lower forms of life? Scentimes food, Again, some product or other, Or just enformation. Maybe It is just experiment-

ing with us, the way we poke an ant-bill. There's always this to remember, that the human braistioner is the west highly-promised form of motter

in this world." "Yes," admitted the Professor, "but what-1" "If solish want brain-tians for food for every mental purposes, for lubricant—how do I beauty Jarden farried be was still evolution things. aut all at once he found himself waking up in one of the leanks. He felt terribly cold, stiff, zors,

A sift of space by here and there on the corn fore. where it had fallen through belon in the roof. "Vivien!" he employed bearactly. "Theretern! Marrie Nobedy answered. There was polody to answer.

Jandron grawled with immerse pain out of his hunk, and blinked round with bleary eyes. All of a saf-The Professor was bying stiff and straight in

another bank, on his back. His waxen face made a mask of horror. The open, staring eyes, with purelly importacly dilated, sent Jandron shuddering back. A livid ring marked the forehead, that now saged inward as if ampty,
"Vivism?" greaked Jandron, staggering away

from the body. He familied to the hank where the wirl had lain. The bank was quite deserted. On the stove, in which lay half-charred woodword amothered out as if by some noxious gas-

wood amethered out an if by some moxious gas-still stood the coffee-get. The liquid in it was frozen solid. Of Vivian and the journalist, no trace re-Along one of the augging beams that supported the roof, Jandron's horror-blasted gaze perceived

deep. "Vivian! Vivian!"

Shelting, sick, gree, half-blind with a horror not of this world. Jandron poored slowly around. The diffic-hag and surplies were gone. Nothing was left had that coffee-not and the revolver at Jandree's

Jandron turned then. A-stare, his skull feeling errory as a herest dram, he errort larnely to the door and out-out into the snow. Snow. It came slanting down. From a gray sky

seither reality nor duration-Jandron dragged himsalf back to the camp and stumbled in. Reedless of the staring corne he crumpled down by the stave and fried to think but his brain had been curreted of power. Everything blest to a gray blur. Stow kept slithering in through the roof. "Well, why don't you come and get me. Thing?" auddenly smarled Jandren. "Here I are. Dann you, come and get me!"

the confers draced sickly-green. In a little shall how seemes the visus aport law white on this ice.

Ire? Stow? Rent with terror Janimo stared.

Why then he wont have been managedous three on

Sublects all along the upper branches of trues

His body was leaden. He wheeped as he reached

the river. The light, dim as it was, burt his eyes.

He blicked in a confusion that could just perceive

one campe was gone. He pressed a hand to his head.

where on iron hard assend arroad us tight

Not even an echo. Silence clamped the world

After a certain time-though time new possessed

silence, and a cold that gnawed. Everything had

that edged the clearing, roffs of arow ficked down.

of footprints that wavered toward the landing.

four weeks? But how-?

"Viviant Marr! Hallscoof"

come a sinister error.

tichter.

Voices Suddenly he heard voices. You arrow hody was outside, there. Singularly argricued, he get up and limmed to the door. He assisted cut into the ever; saw two figures down by the landing,

With numb indifference be recognized the girl and "Why should they bother me again?" be nebulously wendered. Can't they on away and leave

Then, a moditum of reason returning, he sensed that they were arguing. Vivisa, haside a caros

freshly dragged from thin ice, was pointing; Marr was restiguisting. All at once Many sparled, turned from her, plodded with heat back toward the comp. "But listen!" she called, her rough-kuit awaster all powdered with show. "Thur's the way!" She

gestured downstream. "Tu not going either way !" Mary retorted. "I going to stay right here?" He came on, harsheaded, Snaw graved his stubble of beard; but on his head it melted as it fell, as if some fever there had raised the brain-stuff to improbable temperatures. "I'm going to stay right here, all summer." His beavy

lids sagged. Posty and evil, his lips showed a glist a straight line of frosted priets, ring-shaped, hitten of teath. "Let me alone!" Vivian larged after him, kicking up the sab-liks sasw. With indifference, Jundran watched there,

Trivial human erestures! Suddenly Marr saw him in the doorway and

stermed abort. He drew his grant he street at Jandren. "You get cut!" he mouthed. "Why in --- ear't "Put that gen down, you idiot!" Jandron managed

to retort. The girl stopped and seemed trying to understand. "We can get away yet, if we all stick

you stay deed?"

it steadily filtered. The trees showed no leaf-"Are you going to get out and leave me alone?" Vocam ovelowky pressented him. Just what, he wondered, did it feel like to be about? Mary verled telemen Sman! The cortridge missed fire. Not seen nowler would

encorh.

Mary Issorbed, herribly, and absorbled forward. "Herves him right!" he mouthed. "He'd better not come back again?" Jandres understood that Mary had seen him fall

But still be felt bisself standing there, alive. He shuffled away from the door. No matter whether he was alive or dead, there was always Vivian to be

The journalist come to the door, pussed, looked down, grunted and passed into the comp. He shut the door. Jandron heard the rotten modes her of the latch drop. From within echoed a laugh,

monstrous in its brutality. Then entered the enclosist felt a touch on his "Why did you desert us like that?" he heard Vivian's regroath, "Why?"

He turned, hardly shie to see her at all. "Listen," he said, thickly. "I'll admit enviling, It's all right. But just forget it, for now. We've get to get and o' have. The Professor in dead in there, and Marr's gone mad and berricaded himself

in there. So there's no use staving. There's a charge for an out. Come along!" He took her by the arm and tried to draw her toward the plant, but the held back. The hote in

her face sickened him. He shook in the grip of a mighty chill. "Go, with wro?" she demonded "Yes, by God?" he retorted, in a swift blaze of anger, "or I'll kill you where you stand. If shun't

Swiftly plercing, a greater cold smote to his irror marrows. A long row of the cure hand prints had tust ameaned in the mow beside the comp. And

from those marks wafted a faint, blaish vapor of unthinkable cold

"What are you staring at?" the girl demanded. "Those prints! In the snow, there-see?" He pointed a shaking finger, "How can there be apow at this season?"

He could have went for the vity of her, the loss of her. On her red tarn, her tangle of robet hair, her sweater, the appropriate about the drifting; yet there she stood before him and prated of summer Jandren heaved binnelf out of a very about of

down-dragging lessitudes. He whipped himself into action. "Burnmer, winter-no matter!" he fluor at her. "You're coming along with me!" He seleed her arm with the brutality of desperation that must hust. to save. And murder, too lay to bis good. He kness that he would strangle her with his roked hands,

if need were, before he would ever leave her there. for It to work Its herrible will upon. "You come with ma," he mouthed, "or by the

Almiehty....!" Marr's scream in the camp, whirled him toward the door. That somers rose bigher, higher, even more and more piercing, just like the acresms of the infinitely know are. It seemed to last hours; and always it rose, rose, as if being wrung out of a human body by some kind of sergey not conceivable Jandren buried himself against the plank door. With a cry. Jandron receiled. He sewered his aven with a hand that quivered, claw-like,

the runsway Indian guides in what now appeared

in this world. Higher, higher-

Then it storned,

"Go away, Vivisa! Den't come here-don't Inches !! He stumbled away, habbling, Out of the door crept something like a most-A queer, broken, bent over thing; a thing ericuled.

alcurage and fishing, that whiled, This thing you it was still Marr-counted down at one asfe, quivering, whimpering. It would be hunds as a crashed and racyca its autorose, ferkily.

All at once Jandron to lunger felt afraid. He walked quite steadily to Marr, who was breathing in little guess. From the camp issued an oder

pellin anything terrestrial. A thin, evarish orease Jandron caught hold of the crumpling formalist's arm. Marr's aven larged filmed unsealer. He may

the impression of a cresture whose kuck has been broken, whose whole essence and energy have been polnitant. A eresture vivisected. Away through the grow Jardren dragged him.

Mary made no resistance; just let himself be led. whining a little, relaied, rickety, shattered. The girl har fare whitely rold as the most that fell on it cease after Thus they reached the landing at the river "Come, now, lat's got away !" Jandren made shift

to articulate. Mary said nothing. But when Janthe journalist revived with swift, mad hatefulness. That something lashed him into a speem of wiry. incredibly venomous resistance. Stavers of blood

and form streaked Marr's line. He made heavid noises, like an animal. He housed dismally, and bit, clawed, writhed and grovelled! he tried to sink his teeth into Jandrug's lee. He fought avnallingly. so men must have fought in the inconceivably remote days even before the Stone Age. And Vivian

Between the pair of them, they almost did him in. They almost dragged Jandren down-and themselves, too-into the black river that rea swiftly sucking under the ice. Not till Jandron had quite lantry; not until he struck from the shoulder-tokill, if need were-did he best them.

He heat the pair of them unconscious, trussed them hand and foot with the nainters of the reaces. rolled them into the larger cance, and shoved off.

After that, the blankness of a measureless ch-

Only from what he was told, weeks after, in the Royal Victoria Hospital at Montreal, did Jandren. ever learn how and when a field-squad of Dominion

Foresters had found them drifting in Lake Moosawarskesg. And that knowledge filtered slowly into his brain during a period incheste as Icciand form, (Gentimued on page 91)

# The MAN WHO SAVED the EARTH



Not a sample, the whole weeks a complicated mass attention a bounded cores, defends with a effective that we complet. Not, we will be a supplementable of the complete of the

# THE MAN WHO SAVED THE EARTH 75 CHAPTER I. over his shoulder. It was in the way of calculation. In the heighty of childhood he was not dragged down by the heat and wanther; he had the arthunder.

VEN the beginning. From the start the whole thing has the processon of machine work. Fate and its working—and the wenderful Providence which watches over Man and his future. The whole thing unsertine: the incident, the work the

Schemickil watches over Men and his future. The whole thing unerring: the incident, the work, the estamity, and the martyr. In the retrospect of diszater we may all of us grow strong in wisdom. Let

as go into accory.

A hot July day. A wan of scant pity, and a staggering street; porting thousands dragging along, batters; farm and parasols; the unity wen-

along, hatless; fars and parasobs; the subtry wengeance of a real day of summer. A day of humting tires; hot pavements, and wrecked endaster, heartaches for the seashore, for leafy bowers beside rippiling setter, a day of broken hopes and listless sin-

bitten.

Ferbuse Fate chose the day because of its heat
and because of its autural benefit on fecundity. We
have no way of knowing. But we do know this: the
date, the time, the meeting; the boy with the burn-

ing giase and the old doctor. So commonplace, so trivial and hidden in obscurity! Who would have guessed it? Yet it is—after the creation—one of the most important dates in the world's history. This is eaying a whole ho! Let us go into it and

see what it amounts to. Let us truce the thing out in history, weigh it up and balance it with sequence. Of Charley Huyth we know nothing up to this day. It is a thing which, for some reason, he has always kept hidden. Secont investigation as to his

always kept hidden. Recent investigation as to his previous life and antecedents have availed as nothing. Perhaps be could have told un; but as be has gone down as the world's great marryr, there is no here of caining from his line what we would so

hepe of gaining from his
like to know.

After all, it does not
matter. We have the day
—the 'noticent, and its
purport, and its disnax of
septemen to the day of the
great diseaster. Also we
have the bleated mountoins and the lake of labs

sequence to the day of the great diseaster. Also we have the threated mountains and the lake of hine with his memory. His greatness is not of warfare, nor prevents ambition; but of all markind. The mentals that we be-

stow upon him have no doubtful color. The man who saved the carth!

From such a beginning.
Chericy Hayek, lean and frail of hody, with, even then, the wistfulness of the dicalist, and the gree

of a poet. Charley Huyck, the boy, crossing the hat payement with his pack of papers; the much treasured piece of glass in his pecket, and the sun which only he should master burning down upon him. A moment out of the sges; the turning of a stranger of the second of the second.

of a straw destined to out-toleron all the previous accumulation of man's history.

The sum was not and burning, and the child—be could not have been more than ten—cast a glance som of his balfacere of years and the Syo of the hystyling. We will not present to call it the spirit of the scientist, though it was, perbuys, the sparit of the scientist, though it was, perbuys, the sparit so far. Comment picked out of deating I A by send a playships. Uncounted millions of beyn have picked with glass and the som rays. Who cannot remember the little, remorbalming dot in the pain of the

the Ettle, round-burning dot in the paim of the hand and the subsequent exchangition? Churley Hayek had found a new toy, it was a simple thing and as old an glass. Fate will ever be so in her working. And the doctor? Who should be have been weigh-

And the doctor? Why should be have been wniting? If it was not destroy, it was at least an accumulation of moment. In the heavy cyc-glasses, the square, dese-cut heavel; and his uncompromising fast-seeking expression. These who knew Dr. Bobbil are strong in the affirmation that he was the

actification of all condition. He was the sterment product of sciences unbending, hardened by appearance, and casettle in his condementation of the frailment of human action.

It had been his one function to topple over the coultse of the foolish; with his hard-occupy windows he had upotted sophistry where we thought it not. Even into the coalities of the coalities of the coalities of the coalities of the new thought it not.

juggermant. It is hard to have one's theories deriind—yea, even for a scientist—and to be called a fool! Dr. Robodd have no middle language; he was not relished by science.

His memory, as we have it, is that of an econtric. A man of slight compassion, should of materia.

His memory, as we have it, is that of an eccentric. A man of alight companion, about of manner and with no test in speaking. Cenius is often so; it is a strange fact that many of the greatest of men have been desired by their fellows. A great man and loughter. He

W I read of the days when the powers of radium was not accented. None of us know today what it cost Dr. Robeld. produced by incentiously corrying a tabe of referent states in the pecket. And here in this story nor He was not the man to tell us. Pechaps Charles Rayak might: but his line animals in multibule. The story opens with a poor Rate has experimenting with a borning glaza. Then he beare scaled forever. We only know that he retired course the here of the store-As studies and scentarily to the mountain, and of the subsequent fixed of Archimoles in his power. And he subdenly finds that benefits that rained upon

design it is horse of the constant of the cons

In the light of the past we may well bend knee to the doctor and his protifet, Charley Huyek. Two men and destiny! Want would we be without them? Goes studders to think. A little thing, and yet one of the greatest mo-

A little thing, and yet one of the greatest moments in the world's history. It must have been a Fate. Why was it that this stern man, who hated all emotion, should so have unbended at this moment? That we connect answer. But we can confecterm Markey it is this: We were all wrongs we screpted the man's exterior and profession as the No man can loss all smotion. The doctor, was, after all, even as ourselves-be was human. What-

ever may be said we have the certainty of that mement-and of Charley Huyck The sure's wave were hot: they were harrious the

payements were intolerable; the baked air in the day of dog-days. The boy gressing the street; his arms full of namers, and the class bulgion in his little hip-pocket.

At the curb he stopped. With such a sun it was impossible to long forest his plaything. He drew it carefully out of his porket, lay down a paper and began distancing his plans for the forus. He did not notice the man beside him. Why should he?

The round dot, the brownish smoke, the red snark and the flash of flame! He stamped upon it. A moment out of boyhood; an experimental relyable an old as the arm of steen, and feet as delightful The boy bad spoiled the name of a great Covernor of a great State; but the namer was still astable

He had had his moment. Mark that mement. A hand touched his shorter. The lad beaned on "Yeasir. Star or Bulletin?" "I'd take one of each," said the man, "There

now. I was just watching you. Do you know what you were doing!" "Yessir, Burning paper, Startin' fire, That's

the way the Indians did it." The man smiled at the persenties of fact. There is not such a distance between atticks and class in the am of childhood. "I brose" he soid... "the Indiana. But do you

know how it was done; the why-why the paper began to blaze?" "Yessir."

"All right, explain," The bay looked up at him. He was a city boy and used to the streets. Hers was some old highbrow challenging his wisdom. Of course he knew,

"It's the sun! "There," laughed the man, "Of course. You said you knew, but you don't. Why doesn't the sun. without the glass, burn the paper? Tell me that: The how was still looking up at him; he saw that the man was not like the others on the street. It

may be that the strange latimacy kindled into being at that moment. Certainly it was a strange unbending for the dector.

"It would if it was not enough or you could get enough of it together." "Ah! Then that is what the glass is for, is it?"

"Yeasir." "Concentration?" "Con- I don't know, sir. But it's the sun. She's aura some but. I know a let about the sun, air. Pos-

studied it with the glass. The glass picks up all the rure and mate them in one hale and that's what burns the paper. "It's lots of fun. I'd like to have a bigger one; hat it's all I've got. Why, do you know, if I had a eless bly snough and a place to stand. Pd horn on the egrth?"

The old man brooked. "Why. Archimides! I "My name ain't Archimedes. It's Charley Huyek." Amin the old man laughed. "Oh, is it? Well, that's a good name, too. And if you keep on you'll make it famous as the name of the other." Wherein he was forstelling history "Where do you live ?"

AMAZING STORIES

thought you were dead."

The box was still leoking. Onlineelly be would not have told, but he motioned back with his thumb "I den't live: I room over on Bryonen Street." "Oh, I see. You roam. Where's your mother!"

"Rearch ma: I never saw her." "How do I know. He went fleating when I was faur years old."

"Floating?" "Yearle-to see."

"So your mether's pore and your father's foating. Archimedes is adrift. You go to school?" Vessir."

"What reader?" "No reader, Sixth grade "I see. What sobool?"

"Rebaal Townty-eix. Say, it's hot. I can't stand here all day. Twe got to sell my papers." The man rolled cut a nurse.

"I'll take the let," he said. Then kindly: "My hay. I would like to have you on with my " It was a strange moment. A little thing with the fates looking on. When destiny plays the picks strange moments. This was one. Charley Huyck

went with Dr. Robeld.

THE POISON PALL We all of us remember that fatal day when the

news startled all of Cakland. No one can forget it. At first it read like a newspixper bear, in spite of the oft-produitted verselty of the press, and we were inclined to laughter. Twist wonder at the story and its impossibilities we were not a little enthused at the acree of the man who put it ever. It was in the days of dry reading. The world had grown pepulons and of well-fed content. Our sour-hex artists had come to the point at last where

they preached, not disnater, but a full-bellled thurks for the millesnium that was here. A period of Utenian culatness-ma villain around the corner: no man to covet the ex of his neighbor. Onlet reading, would admit. Those were the days

of the milleanium. Nothing ever happened. Here's hooing they never come again. And then:

Honestly, we were not to blame for bestowing blessing out of our hearts upon that newspaperman, Even if it were a hour, it was at least semething,

At high room. The clock in the city hall had just struck the hour that held the post 'twist a.m. and p.m., a bot day with a sky that was clear and cause: a unlet day of serene peace and contentment. A strange and a portent moment. Looking back and clearness of the atmosphere and the brightness of

Knowing what we know now we can appreciate the impulse of natural phenomena. It was not a mir-

the brink for even a minute.

The anot: Fourteenth and Broadway Oakland Fortunately the thousands of employees in the sons. The lance that it takes to not a hat on, or to nat a rithon, saved a thousand lives. One shuddern to think of what would have harmoned had the spot

been cresuled. From an it was too impossible and too terrible to be true. Such things could not hav-At high moon; Two street-over smeeter Pour teenth on Broadway-two cars with the same topple

and bump and the same aspect of any of a hundred thousand at a traffic corner. The wander is there were so few people. A Telegraph car outgoing, man at his post had just given his signal. Two

automobiles were nessing and a single nedestrian. so it is said, was workers his way disposable asyon the corner. Of this we are not certain. It was a morning that implying on mirrors. Even as we recount it knowing so we do the evelention, we more the impossibility of the event. A

pheromenon that holds out and, in spite of our findlars, linever into the mirareless. To be and not to be. One recreat life and action, an ordinary serve of existent monotony; and the next moment noth. ing. The snot, the intersection of the street, the remains atreet cars, the two automobiles, pedestrian, the policeman-mon-existent! When exerts are to-

stantaneous reports are apt to be misleading. This is what we find. Some of those who heheld it, report a flash of bluish white light; others that it was of a greenish or even a violet huse and others, no doubt of stronger vision, that it was not only of a predominant

color but that it was shot and sporkled with a reorial specks of flows and huming It gave no warning and it made no sound: not aven a whir. Like a hot breath out of the wood, Whatever the forces that had focused, they were destruction. There was no Fourteenth and Broadway. The two automobiles, the two street-cars, the pedestrian, the policeman had been whiffed away as if they had never existed. In place of the interaaction of the thoroughfares was a vawning gulf

that looked down into the center of the earth to a death of nauses. It was instantaneous; it was without sound; no warning. A tremendous force of unlimited potenriality had been lound to kinetic violence. It was the suddenness and the silence that helled credence. We were accustomed to associate all disaster with explosion; colomity has an afficity with parderesnism, all things of terror climax into sound. In

this case there was no sound. Hence the senuter. A hole or here forty feet in diameter. Without a particle of warning and without a bit of confusion. The spectators one and all over that at first they took it for nothing more than the effect of startled exceight. Almost subtle. It was not until after a full minute's reflection that they became faces, . Then the crowd rushed up and with awa

rible rit. We say "terrible" hecause in this case it is an

It was straight and precipitous; a perfect circle in shape; with nides as smooth as the effect of macut as if by a rasor. Of the two street cars, two automobiles and their occaments there was nothing The whole thing so silent and complete. Not even the spectators could really believe it.

It was a hard thing to believe. The newspapers themselves, when the news came clampring, accorded it with reluctance. It was too much like a hear,

Not until the most trusted reporters had some and had wired in their reports would they even consider it. Then the whole world sat up and took A miracle ! Like Onkland's Press we all of us

doubted that hole. We had attained alread every thisg that was worth the knowing; we were the masters of the earth and its secrets and we were proud of our wisdom; naturally we refused such reports all out of reason. It must be a hear. But the wires were persistent. Come corroboration. A reliable news-pathering organization soon Win coming through with elaborate and detailed accounts of just what was happening. We had the

news from the highest and most reputable author-And still we doubted. It was the story itself that brought the doubting; its touch on miracle. It was too easy to pick on the reporter. There wight be a hole, and all that; but this thing of so explanation! A tomb perhaps? No noise? Some new explosive? No such thing? Well, how did we becom?

It was better than a miracle. Then came the scientists. As soon as could be men of great minds had been hustled to the scene. The world had long been accustomed to accept without outbble the disture of those event associations of fact. With their train of accomplishments he-

hind them we would hardly be consistent were we We know the scientist and his habits. He is the one man who will believe nothing until it is proved, It is his profession, and for that we pay him. He can catch the amaliest bug that ever crawled out of an atom and give it a name so long that a Polish wreatler, if he had to hear it, would break under the hurden. It is his very knack of getting in under that has given us our civilization. You don't hadle

in one of the very reasons why we began to believe in the mirecle. In a few moments a crowd of many thousands had enthered about the spot; the throng every so deepe that there was peril of some of them being growded into the nit at the center. It took all the snare pollormen of the city to best there back for erough to string ropes from the owners. For blocks the streets were packed with wondering thousands. Street traffic was impossible. It was necessary to

direct the care to a roundabout route to keen the arteries open to the suburbs. over adjective. The strangest hale that man ever Wild rumors serread over the city. No one knew

### AMAZING STORIES how many passengers had been upon the street cars. our speciators must have felt when they were

The officials of the company, from the schedule, could pick the numbers of the cars and their crews; but who could tell of the occurrents? Telephones rang with tearful pleadings. When the first ramors of the horror leaked out every wife and mother felt the clutch of name at her heart-

strings. It was a moment of historical psychology. of human nature that was went to rise like a mod screeching thing out of dispater. We had never It was rumbling at first and out of exampleration :

on the fale massed further back to the waiting thousands it gained with the repetition. Grim and terrible enough in fact, it ratioed up with retteration Perhaps after all it was not murholary. The average impulse of the human rund does not even on an exactly. In the light of what we now know it may have been the polson that had leaked into the air: the new element that was permeating the

At first it was anasmodic. The nearest witnesses matedy began to spet out among those of the crowd who had been at the spot of contact. This is to be poticed. A strange effiction which from the virulence and rapidity of action was quite puzzling to

the doctors Those among the physicians who would consent to statement gave it out that it was breaking down of tissue. Which of course it was; the new elethe city. They did not know it then,

The pity of it! The subtle, adorless nall was slightly shrouding out over the city. In a short time the bosoitals were full and it was pecessary to call in medical sid from Sun Prancisco. Thru had not even time for diamonis. The new planue was fatal alreast at conception. Harrelly the scientists made the discovery

It was the nall. At the end of three hours it was known that the death short was arresiding out over Gokland. We may thank our stars that it was learned so early. Had the real warning come a few hours later the death list would have been appelling. new element, at least something which was timping over all the laws of the atmospheric envelope. A

and the warning went out, ponic fell upon the bay But some men stuck. In the face of such terror there were those who staved and with primous and sacrifice hung to their posts for murkind

There are some who had said that the stuff of heroes had passed away. Let them then consider the case of John Bobinson. Rebinson was a telegraph operator. Until that day he was a poor unknown; not a whit better

under the hisract. The last words out of Oakland -Ne last message "Whele city of Cokland in grip of strange madness. Keep out of Ookland."-following which came a haphanard parsonal commentary; "I can feel it coming on revealf. It is like what

Followed a lapse of silence. Then the last words:
"I guess wu're done for. There is some notann m the atmosphere—something. It has leaked, of course, out of this thing at Fourteenth and Breadway. Dr. Manson of the American Institute says it is something new that is forming a fatal comhinstien; but he cannot understand a new element; the aparelly is too energous. "Populece has been warned out of the city. All

getting drunk - alternating desires of fight and

singing-a strange sensation, light, and ocstation

with a sparmodic twitching over the ferebead.

Terribly thirsty. Will stick it out if I can get

enough water. Never so dry in my life."

made are packed with refuses. The Revision Hills are covered as with flies-north, east, and south and on the hoats to Frison. The rotson, whatourse it is in advancing in a ring from Equationath and Broadway. You have get to man it to these old hoys of science. They are staying with that ring. Already they have calculated the rate of Ra advance and have given warning. They don't know what it is, but they have figured just how fast it is moving. They have saved the city.

"I am one of the few men now incide the wave. Out of curiosity I have stuck. I have a jug and as long as it larte I shall stay. Strange feeling Dry, dry, dry, as if the juice of one's life cells was turning into dust. Water evaporating almost instantly. It earnot pass through glass. Whatever the poison it has an affinity for maisture. Do not understand it. I have had enough-" That was all. After that there was no mers

news out of Onkland. It is the only word that we have out of the pall itself. It was short and disconnected and a hit slangy; but for all that a basis from which to confecture It is a strange and glorious thing how some men

will stick to the past of danger. This energine knew that it meant death; but he held with duty, Had be been a mun of acceptific trafning his information might hose been of irrelephble value However, may God bless his heroic soul!

What we know is thirst! The word that came from the experts confirmed it. Some new element of force was stealing or sapping the humility out of the atmosphere. Whether this was combining and entering into a poison could not be determined. new combination that was fatal. When the news the advancing ring. In four hours it had covered

the city: in six it had reached San Leardro, and It was a strapm story and incredible from the hegitming. No wonder the world doubted Such a thing had never hoppened. We had accepted the the law of judging the future by the post; by defuetion; we were used to sequence and to law; to the

laws of Nature. This thing did look like a miracle; than his follows. Now he has a name that will run "miracles"-we could not understand it. Happily, we can look back now and still place our faith in

Nature. The world doubted and was afraid. Was this paril to spread alone's over the whole state of Cali-

fornia and then on to the-world. Doubt always precedes terror. A tense world waited. Then came the word of resesurance-from the solontists:

"Danger past; vigor of the ring is absting. Calculation has deduced that the wave is slowly decreasing in potentiality. It is too early yet to say that there will be recessions, as the wave is just reaching its senith. What it is we exame say, but it cannot be inexplicable. After a little time it

reaching its senith. What it is we exhibit say, but it cannot be formplissible. After a little time it will all be explained. Say to the world there is no cause for alarm."

But the world was now aroused; as it doubted the trath before, it doubted now the resonaurane. Did the melantities from: Could thus here only are

# the future? We know now that they did not. There was but one man in all the world great enough to foresce diseaser. That man was Charley Huyek.

THE MEGITALN VILLY WAS.

On the same day on which all this happened, a years men, Yissan by atoms and of this magnetic again, left the little form of there in America County, California, with a small track-load of salt. He was one of the outliernes whose handparaters or homo-farms are obstructed about the fool-bills of the Serror. In the wat season they stay with their

from the mountains the night before, after sail.
He had been on the read eleme minight.
Two thousand sub-burney estite do not allow time for greatp. With the thrift of his race, Joe and leaded up his truck and after a running smitch at breakfast was headed back into the mountains.
When the was not of Olderd one thrifting around

at breakfast was headed back into the monatains.
When the news cot of Oldshad was thrilling around
the world he was far into the Sterras.
The sammer quarters of Pinouti were close to
Mt. Heckin, whose lecening shoulders were square
in the center of the pasture of the three brothers.

If was not a steel mentalis—that is, until this dop—only had no reason for a name other than that it was a seak cutainting from the range; like a thousand shares; ranged, pine dond, control with dere-break, ref. sell, and mentalis miscrie.

It was the described that power is wake to the Fermania—a mentalist food richer than slafids. In the early summer they would come up with beep expected, when the property of the control of the control

conservation than formers. Shill in the timeters that makes them bestilty.

It was far past the time of the require saling, pleased was in a burry. It was nine o'dets when he passed through the infinite form of Jackson; and by rettre o'desh—the minint of the disaster—be was wall seyond the last little hamlet that links draw on at the Illis historiet that there was valid seyond the last little hamlet that the draw on at the Illis historiethered colds that was

his bonfourtern for the surrener.

He had been on the road since midnight. He was tried. The long warry bears of driving, the greaks, the unvaried strass though the deep red dask, the heat, the streeth of a sight and day had were both mind and mostle. It had been his turn to go after saity, sow that he was here, he could lie in for a saity, sow that he was here, he could lie in for a lit of reat while his brethers did the saiting. It was a possorial most this calon of the Pissocial, nextless areas the wirght shade trees, great unflesshare agreement with a mountain live-and

spreading over the door yard. To the east the triding beights of the Sierras, misty, cray-grees, undusting into the distance to the pitic-white save, crasts of Lutik Alpins. Below in the cargon, the crast condition of the condition of the condidark masses of Mt. Hecklin, deep verdant in the cost of carriag receiving.

Jo dress up under the sheds of the live ask. The ir was full of code, were seen of the afternoon.

air was full of each sweet seem of the aftermoon. No mement could have been more peaceful; the bistlear sky overbast, the breath of summar, and the acobing spice of the pine times. A shepherd deeates bounding from the doorway to need kim. It was his favoritie new day. Usually when Jocame hack the dog would be for down the roads to forestall kim. He had woodered, absently, coming

came hold the dog would be for down the road to forestall him. He had wordered, absently, earning up, at the dog's delay. A dog is most of all a creating of habit; only economic most of all a man down up he rabbed set to great him. A rush, and only up he rabbed set to great him. A rush, a circle, a back, and a white of velocess. Pethogs of the result of the result of the control of Rat Los systems that the result of the con-

Mus do notice the water, as was were in the ways of does; when Proto whined like that there was consthing unusual. It was not effusive or spectaneous; but rather of the delight of support.
After scarce a minute of petting, the deg equation and faced to the westward. His whine was startling; shroot fearful.

ing; amost tearrui.

Pensoni knew that something was wrong. The
dog drew up, his stah tail erect, and his hair all
bristled; one look was for his master and the other
whining and alert to Mt. Heckis. Pumied, Joe
swed at the meantain. But he are nething.

Was it the carine instinct, or was it coincidence? We have the occurse frees Pissoni. From the words of the Italian, the dog was afraid. It was not the way of Posto; usually in the face of darger he way skert and eazer; now he draw gway to the

salist. Lie wordered.

Inside the shake befored soubling hat evidence of departure. There was no sign of his brothers. He was he turn to see in these, he was worded alteset was not the sign of his brothers. He was he turn to see it here, he was worded alteset as expide. On the table were a few translated dathes and errushed or online. One of the three risks that has prostly on the will use missing; the off that has prostly on the will use missing; the off the state of the state of

results in the super-place roughed from the earyon.

Joe watched the day. The sun was just giveing
down the street of the rountain), on the western like
the deep lowy attractive of the place tree and the
brothers should be on hand for the satisfact; it was
not their earsten to get things off for the rountain.

Rhalling his eyes he stepped out of the doewney.

Rhalling his eyes he stepped out of the doewney.

Unsoully, with the seem institute white and ruffled

the dog roos steaming and wanted cented that, unesselfly, with the same insistent white and ruffled r hair. Joe listened. Only the meantain neuronra, the sweet breath of the forcest, and in the lapse of bated breath the rippling melody of the riverfar below him.

"What you see, Ponto? What you see?"
At the words the deg sniffed and advanced slight-

by-a growl and then a sudden scurry to the heels of his master. Pento was afraid. It nomiced Pierret. Ret whatever it was that roused his fear. it was on Mt. Hackla. This is one of the strange parts of the story-

the mart the dog played, and what came after Although it is a televial thing it is one of the west inexplicable. Bid the dor same it? We have no measure for the range of instinct, but we do have it that before the destruction of Pompeli the beauty mared in their cases. Still knowing what we now

know, it is hard to account the analogy. It may, after all have been coincidence. Nevertheless it decided Pizzozi. The cattle seeded salt. He would catch up his ninto and ride

eaver to the said how There is no moment in the cattle industry quite fike the salting on the range. It is not the mest spectacular perhans, but surely it is not lacking in intersection. The way of Pissoni was musical even if not operatio. He had a long-range call, a rising rhythm that for depth and tone had a peculiar effect on the shuttered stillness. It school and reverberated, and neeled from the ten to the lasttorn of the wecestate. The nall sall is the tallesoon

of the mountains.

Two thousand cattle sugmented by a thousand strays held up their heads in answer. The said of the welmore sail call! Through the whole range of the mon's voice the stock storeed in their leafer pesture and listened. "Allersopheo!"

An old caw bellowed. It was the beginning of bedlam. From the bottom of the mountain to the ten and for miles beyond went forth the sait call. Three thousand head ballowed to the delight of salt-

Plumet were along. Bath lone of his mintethrough the tall tanged misrein was accepted "Alleemakee! Alleemakee!" The rending of brush. the confusion, and pandementum suread to the were bottom of the leafy guickes. It is no place for a pedestrian. Hasds and talls erect, the cattle were

stampeding toward the logs. A few head had best him to it. These be quickly drove away and cut the sack open. With haste he poured it upon the logo; then he rode out of the dest that for yards about the place was travered to the finest powder. The center of a herd of salting runge stock is an place for comfort. The man rode away; to the left he ascended a low

knob where he would be safe from the stammeter but close enough to distinguish the brands. In no time the place was alive with million stack. Old cows, beifers, bulls, calves, steers rushed out of the crashing brush into the elegring. There is on moment exactly like it. What before had been a broad clearing of brownish reddish dust was trameled into a yest sloud of hallowing blue, a thousand cattle, and still coming. From the farthest

beight came the echolog call. Planesi glanced up at the top of the mountain. And then a strange thing happened,

From what we guthered from the excited accounts of Pizzozi it was instantaneous; and yet by the same words it was of such a peculiar and beaua nerolity vividence of orelessence; the whole would scintillating; the sky, the air, the mountain, a yest fisms of color so wide and so intense that there seemed not a thing bostle it. And instantaneous-It was over absent before it you storted. No pales or warning, and no subsection; as of warning, and no succeptant processes an ellent as winking and much, indeed, like the curer hav of saler induced by defective vision. All in the fraction of a second. Pleaset had been envise at the mountain. There was no mountain! been the shade of the towering peak was now the

rays of the western sun. Where had been the Mus of the willing bond and its destroine partemotion was now a strange allegee. The transportance of the air was urbroken into the distance. For adlay a peaceful range in the sunset. There was no recentain! Neither were those cottle! For a moment the man had enough to do with his purpose mustage. In the horr of the subsequent second Pizzozi remembers nething but a sarrylator, of fighting horsefeab hacking, twistless.

plunging, the gentle pinto suddenly meddened into a demon. It required all the skill of the cowman to retain his sabile. He did not know that he was riding on the rim of Riceruity. In his mind was the don subsysterious realization of a thing that had berrened. In suite of all his efforts the horse fought backward. It

was some moments before he conveyed. They ha If was a slow hesitant moment. One cannot so event for what he will do in the open face of a

miruole. What the Italian beheld was ensure for terror. The sheer immensity of the thing was too much for thinking. At the first sight his simplex mind went pumb from abour impotence; his turror to a dogree from The whole of Mt. Hockla had been shorn away; in

the place of its darkened shadow the sinking ann was blicking in his face; the whole meeters sire all golden. There was no vestige of the flat aslt-clearing at the base of the mountain. Of the two throsand cattle milling in the dust not a one remained The man crossed himself in stoner. Mechanically

But the mustang would not. Another strucule with backing fighting maddened becomes com-man must peeds bring in all the skill of his training; but by the time he had conquered his mind had satisfied within some scope of comprehen-

The pury had good reasons for his terror. This time though the man's mind recied it did not en dumb at the clash of immercity. Not only had the whole mometain been torn away, but its roots as well. The whole thing was up-side down; the world torn to its entrails. In place of what had been the height was a gulf so down that its double wore blackness.

He was stording on the brisk. He was a good man, was Piccool; but it was hard in the confusion of such a mirrole to think clearly: wurth less to reason. The granting mustang was snorting

with terror. The man claused down The very distincts of the gulf, theer, losing itself tiful offect as never to be forestien. A bluish into shadows and chaos overnowered him, his mind tance. The depth was magazeting. His whole body successful to a system craim of markets, the sisteness that comes trut before falling. He most lime in the saddle. But the horse fought backward; warned by in-

stinet it drew back from the sheer backs of the suif. It had no reason but its nature. At the instant it sensed the snarming of the iron will of its on its wild way out of the mountains. At supreme recognity a cettle horse will always hit for home

The pinto and its limp rider were fleeing on the read to Jockson. Pizzoni had no knowledge of what had occurred

in Oakland. To him the whole thing had been but a deah of mirrorle; he could not remon. He did not

each his horse. That he was still in the saidle was to his velition. He did not even draw up at the cahin. That he could make better time with his motor than with his whate did not cover to him; his mind was far too. bury; and, now that the thing was passed, too full of tarror. It was forty-four railes to town: it was

### sight and the stars were shinner whan he rode into CHAPTER IV

WAN-A SPRAY LITTLE BOOK And what of Charley Huyek? It was his auticinotice, and his training which layers us have to tell the story. Were it not for the strange marner of his rearing and the been faith and appraciation of Dr. Robold there would be to-day no tale to tell The little incident of the hurning-class had crown If there is no such thing as Pute there is at least

something that comes year close to being Bestiny. On this night we find Charley at the observatory in Arisona. He is a grown man and a great one. lad we met on the street selling namers. Tall. alender, were alightly stooped and with the same idealistic descripe over of the root. Sometr no.

one at first plance would have taken him for a scienthat Which he was and was not Indeed, there is nonething vastly different about the science of Charley Huyck. Science to be sure,

but not promise. He was the first and perhaps the last of the arthrol of Dr. Robold, a recollar combination of poetry and fact, a man of vision, of on the coldest and eternest troths of materialism. A negative tenet of the theory of Rehold: "True science to be itself should be half poetry." Whish env of us who have read or been at school know it is not. It is a peculiar theory and though rather

wild still with some neights in favor. We all of us know our schoolmasters; especially these of science and what they stand for. Facts. facts, nothing but facts; no dreams or remance. Looking back we can grant them just about the emotions of curumbers. We remember their cold. hard features, the prodding after fact, the accumulatter of date. Serely there is no restry in there Yet we must not don't that they have been hy for the most rotent of all men in the progress of elviluation. Not even Bobold would deny it.

the progress of restarted civilization had been along reinistration. It was simply his theory that the first two abould be one; that the scientist deal not alone with dry fact but with invention, and that the investor unless he is a extensist has mastered but half his trade. "The really great scientist but half his trate. "The really green scentist should be a visionary," said Robeld, "and an inventor is merely a root, with tools," Which is where we get Charley Huyck. He was a visionary, a sejentiat, a poet with tools, the needed of Dr. Robald. He drawing things that no

scientist had thought of. And we are thankful for The one wreat friend of Hurck was Professor

Williams, a man from Charley's home ettr, who had known him even back in the days of selling papers. They had been creation in herbreal in their teams. and amin at College. In after years when Humir had become the visionary, the musterious Man of the Meentain and Williams a small renforces of astronomy, the friendship was as strong as ever-But there was a difference between them. Will liams was exact to acuteness, with not a whit of

vision havord nurs science. He had been resent to forme. He could not understand Hearly or his reasoning. Perfectly william to follow as day as facts permitted by refored to step off into every-Which was the point between them. Charlor Huyck had vision; although exact as any man, he

had ever one part of his mind scoring out lete speculation. What is, and what might be, and the gulf between. To bridge the gulf was the life work of Charley Hoyels In the anug little office in Arizona we find them; Charley with his feet neised on the desk and Wil-

liams precise and ponetificus, true to his training, defending the exactness of his philosophy. It was the cool of the evening; the sun was just mellowing the heat of the desert. Through the onen door and windows a cool wind was blowing. Charley was smoking; the same old pine had been the bane of

Williams's life at college, "Then we know?" be was saking.

"Yes," speks the professor, "what we know, Charley, we know; though of course it is not much. It is very hard, nay impossible, to deay fleures. We nemical calculation, we have facts and foures plus

"The world must come to an end. It is a hard thing to say it, but it is a fact of science. Slowly, inevitably, ruthlessly, the end will come. A mere Huyck nodded. It was his special function in

life to differ with his former roommote. He had come down from his own mountain in Colorado Sust

for the delight of difference. "I see. Your old calculations of tidal retardstion. Or if that doesn't work the loss of exvoen and the water." "Either one or the other; a matter of figures; the earth is being drawn every day by the sun; its rotation is slowing up; when the time comes it will

A half rone. It was the private wire that can-

act to the sun in exactly the same manner as the meen acts to the earth to-day," as matter, and 'they cannot do it. Your mathe-matics are worthless." The professor hit his lip. "I understand. It will be a case of eternal night

for one side of the earth, and eternal day for the "Always funciful," he commented, "and visionother. A case of burn up or freeze up," ary. Your argument is beautiful, Churley, and hopeful, I would that it were true. But all thines "Exactly. Of if it doesn't reach to that, the water was will gradually lose out into sideraal must meture. Even an earth must die." space and we will go to desert. Merely a ques-"Not our earth. You look into the past, profes-

nor, for your proof, and I look into the future. tion of the old dynamical theory of gases; of the molecules to be in motion, to be forever colliding Give a planet long enough time in maturing and it and absoring out into variance. will devolce life; give it still longer and it will produce intelligence. Our own earth is just coming "Each minute, each bour, each day we are losing into consciousness; it has thirty million years, at

part of our atmospheric envalope. In course of time it will all be gone; when it is we shall be all least, to run" "You mean?" desert. For intence, take a look outside. This is "This. That man is a great little bug. Mind: Arizona. Once it was the bettern of a deen Nonthe intelligence of the earth

see. Why deay when we can already hehold the This of course is a hit dry. The convergation beginning." of such men very often is to those who do not care

The other laughed. to follow them. But it is very pertinent to what "Pretty road mathematics at that, professor, eame after. We know now, everyone knows, that

Charley Huyck was right. Even Professor Wil-"Oaly!" liams admits it. Our earth is conscious. In less "That it is merely mathematics." than twenty-four hours it had to employ its con-"Murely mathematics?" The professor frowned ecicument to save itself from destruction.

alightly, "Mathematics do not lie, Charlie, you

are incompetent unless they embrace mind as well

cannot get away from them. What sort of functful nected the office with the residence. The professor argument are you bringing up now?" picked up the receiver. "Just a minute. Yes? All Then to his compenion: "I must go over "Simply this," returned the other, "that you do read too much on fleures. They are reaterful and to the house. Charley. We have plenty of time.

Then we can go up to the observatory." in the nature of things can only be amployed in a calculation of what may harren in the future. You Which shows how little we know shout ourselves. must have premises to stand on, facts. Your fig-Poor Professor Williams! Little did he think that ures are rigid: they have no elasticity; unless your these caspal words were the last he would ever speak to Charley Huyek

foundations are permanent and faultiers your deductions will lead you only into error," The whole world seething! The beginning of the codd Charley Harok in the vortex. The next "Granted; just the point; we know where we few hours wers to be the most strengous of the

stand. Wherein are we in error?" planet's history. It was the old point of difference. Huyek was ever grashing down the idols of pure materialism.

Williams was of the world-wide school CHAPTER V. "You are in error, my dear professor, in a very APPROACHING DISASTER. little thing and a very large one."

"What is that " It was night. The stars which had just been "Man." coming out were spotted by millions over the alcen-"Man!" ine deared. One of the nights that are necessar to

"Yes. He's a great little hug. You have left him the country, which we all of us know so well, if not out of your calculation-which he will unset." from experience, at least from hearsay; mellow, The professor smiled indulgently, "I'll allow; be soft, sprinkled like salted fire, twinkling, is at least a conceited bug; but you surely cannot Each little light a measure out of infinity. Con-

grant him much when pitted against the Universe," mic grandeur; mind: chaox, etarnity-a night for "No? Did it ever occur to you, Professor, what dreaming. Whoever had chosen the soot in the desert had picked full well. Charley had motion the Universe is? The stars for instance? Space, the invesesurable distance of Infinity. Have you of consciousness. On that night when he gazed on at the stare he was its personification. Sorrely

Williams could not quite grasp him. Huyck had a good spirit was watching over the earth. a babit that had grown out of childhood. Always he A cool wind was blowing; on its breath floated would allow his concept to commit himself. The the murmurs from the village; bughter, the song professor did not answer. But the other spoke. of children, the purring of motors and the startled harking of a dog; the confused drone of man and "Ether. You know it. Whether mind or granite. his civilization. From the eminence the observa-

For instance, your desert." He placed his forger to his forebased. "Your mind, my mind-lecalized tory looked down upon the town and the sheen of ether." light, spotting like lewels in the dim glow of the desert. To the east the mellow mean just tipping "What are you driving at 1"

"Morely thin. Your universe has intelligence. It over the mountain. Charley stepped to the window. He could see it all. The nubtle beauty that was has mind as well as matter. The little knot colled the earth is becoming conscious. Your deductions so akin to poetry: the stretch of desert, the moun tains, the light in the eastern sky; the dall level

ine. A seastiful maint; awastered with the hreath of desert and tuned to its clumber. Across the lawn he watched the professor descerning the pathway under the acceles. An automobile was coming up the driveway; as it dress up under the area he notified its powerful lines and its driver; one of those splendid pleasure care that have returned to frover during this hast decode; the

saft pair of its notes, the great heavy tires and its coating of dails. There is a lare about a great for coving in from the desert. The car stopped, Charley noted. Duvideos even one for Williams. If it wars, he would go into the observatory sleen. In the strict sense of the word Hayels was an estreamorar. He had not made it his profession. But for all that he know things about the

sion. But for all that he knew things about the stars that the more exact professors had not dreamed of. Charley was a dreamer. He had a code all his own and a manner of reasoning. Between him and the stars have a serve

He had not divalged it, or if he had, it was in such an open way that it was bugshed at. It was not end enough in calculation or, even if an, was to far from their deduction. Huyck had imagination; his universe was alive and potent; it had interesting the such as the such potent; it had interesting the such as the such as the such as universe was alive and potent; it had inmass its manifestation; just come to consciousness. The universe teemed with intelligence. Charge

He crossed the offen, passed through the resptitoryrow and there to the states that is do to the observatory. In the time that would lapse before the coming of the friend be would have ample time for observation. Somebow to felt that there was time for discovery. He had come down to Arisans to employ the law of his friend the attronomer. The justicement that he had respected on his own mountain in Odorado and not given him the full satisfaction that he expected. Here in Arisans,

sylendid route, he based to find what he was after.
But little did he expect to discover the terrible
him he did.
It is one of the strangest parts of the story
that he should he here at the very moment when
Pate and the workly safety would have hed him.
For years he safe Dr. Robold had hen at work

For years he and Dr. Rebald had heen at work on their visionary projects. They were both dreamers. While others had seaffed they had sileraly been at their great work on kinetics. The boy and the hursing glace had grown under the totalage of Dr. Rebold the time was sheat as

hand when he catifd out-rival the saying of Archinseles. Though the world knaw it not, Churley Huyek had arrived at the point where he could literally bern up the earth. But he was not simisfer; though he had the rower he had of course not the slightest intention.

power he had of course not the singhtest intention. He was a dereame and it was part of this dream that man break his tradicion to the scent and reach and of into the universe. It was a great conception and were it not for the terrible seam which we had not a scene of the scen waited for just then mement; he had not heped to he sleen and how that he was in sellitary possession he counted himself fectuarie. Only the stars and Charley Hayek knew the secret; and not swen he drawned what it would assume to. Prom his pecket he dreve a number of papers; most of them covered with natioficial some with drawnings; and a good sized may in colors. This he reprod before him, and with his pennis thereon grows increase. A number of fagures and a read occurence lines. A number of fagures and a read

the time for the observation. For months he had

cross lines. A number of figures and a rapid correlation. He middle and then be made the observation. It would have been interesting to study the face of Cherley Hoyek during the next few rooments. At first be we merely receively, his face piecid but with the studies intentions of one who has come to the memoral; and on the Vegen for find what

a queer antidentes, une migir intervener o ingalactyscripped, and the tapping of his feet case of entirely, after a full few minutes are absolute interaction. During that time to west out aroung the stars hebbilling what not even be had frestred of. It was more than a secreti and what it was only Charley Higher of all the millions of mee could have recognitionally and the star of the country of the country of the country of the country of the great drops of sweak also do in his forebond in the strends earth. In his trees much lim body the recog-

"My God?"

For a moment infection and strangs impotence.
The truth he had beheld numbed action; from his
line the numbed words:

"This world; my world; our great and splendid markind"
A centence that was despair and a benediction.
Thus mechanically be turned hock to confirm this charaction. This time, knowing what he would see, he was not so borrified: his mind was cleared to the abid, fact of what he was tabledies. When

He was a man who thought quickly—thank the stars for that—and, some be thought, quick to spring to settion. There was a partipoliting over the earth. If it were to be wided there was not a socceed to less in weighbig up the possibilities. He had been dreaming all his life. He had never thought that the elibrace was to be the very expected.

of what he koped for. In his under mind he prayed for Dr. Robbit-dead and gone forever. Were he only here to help him! He salred a piece of paper. Over its white face he ran a mass of computations. He worked like

he ran a mass of computations. He worked like lightning; his fingers plying and his mind keyed to the pin-point of genius. Not one thing did he overlolk in his calculation. If the earth had a chance he would find it.

There are always possibilities. He was working out the odds of the greatest ress since creation. While the whole world stept, while the uncounted millions he down in fond security. Charles Hayek

there in the lonely room on the desert drew out their figured odds to the point of infinity. "Just one chance in a refilion."

### AMAZING STORIES

He was going to take it. The words were not cut of his mouth before his lower hors were learning down the stairway. In the fissh of seconds his mind was rushing late clear action. He had had wears of drooming; all his week of study and

tutelage under Robold gave him just the training But he needed time. Time! Time! Why was it so receious? He must get to his corn monotain

In six jumps he was in the office. It was county. The renference had not returned He thought rather grimly and fleetingly of their recoveration a few mirutes before; what would

Williams think now of science and consciousness? He ricked up the telephone receiver. While he waited he saw out of the corner of his eye the car in the drivewer. It was-"Helle, The professor? What? Gone down to

town? No! Well say, this is Charlor"-he was watching the car in front of the building. "Say, hallo-tell him I have gone home, home! H-c-m-s to Colorado to Colorado, vento the mountain -the moou-n-t-a-t-n. Oh, never mind--I'll leave

He clamped down the receiver. On the deak he arranded on a piece of paper;

Pa

"Look there up. I'm bound for the mountain. No time to explain. There's a car outside. Stay with the less. Don't leave it. If the earth ross up you Realds the note he nisted one of the mans that he had in his necket .......with his nentil dress a black gross part above the center. Under the man were a number of computations

It is interesting to note that in the stress of the great critical moment he for sot the professor's title It was a good thing. When Williams read it be recognized the significance. All through their life in erucial moments he had been "Ed." to Charley. But the rote was all he was destined to find. A betelv wired was blooking. By a strange halance of

fate the same movement that let Huyck out of the building ashered in the wird and upart calculation. It was a little thing, but it was enough to keen all the world in ignorance and despair. The eddy whicking in through the door picked up the procleus map, poised it like a tiny place, and dropped

### CHAPTER VI

it peatly behind a bookcase.

A BACK TO SAVE THE WORLD

Burck was working in a straight line. Almost before his last words on the phone were spoken he had requisitioned that automobile entaide; whether money or talk, fauth or force, he was going to have it. The hum of the motor sounded in his ears as he ran down the steps. He was hatless and In his shirt sleeves. The driver was just potting some tools in the car. With one jump Charley had

him by the collar. "Fyre thousand dellars if you can get me to Rohold Mountain in twenty hours."

The very suddenness of the rush caught the man by surprise and lurched him against the sar, turning him half around. Charley found himself

gazing into dell brown eyes and sandonic laughter : a long this ness and line droomed at the corners then as suddenly tipping up-a outer creature, balt "Easy, Charley, easy! How much did you say! Whisney It. H new Rob Winters Rob Winters and his are And watting. Surely no twist of forture could name been ercuter. He was a college churn of Huyck's and of the professor's. If there was one man that

devil half laughter, and all fun

could make the run in the time allotted, Bob was he. But Huyek was impersonal. With the hurden on his mird he thought of naught but his destina-

"Ten thousand!" he shouled. The man held back his head. Huyek was far too refricts to appreciate mischief. But not the year "Chartey Hurth, of all men. Did young Lochingar come out of the West? How much did you say? This desert air and the dust, 'tis hard on the hearing. She must be a young, fair malden. Yes three

mad" "Tuesdy thousand, Thirty thousand, Dames, tion, man, you can have the mountain. Into the

By shore aphiestlys strength he forced the other into the markine. It was not until they were shootfac cut of the grounds on two wheels that he real-

tood that the man was Bob Winters. Still the workings of fate. The wastern and wild Rob of the recest Samula Destiny was on the 5ch. The challenge of speed and the premium. At the apportune perment hefore disaster the two men were brought together.

Miretes welched on with controles and house andhalmood millenniums. The whole world slept; little did it dream that its very life was riding north with Into the midnight! The great car, the wride of

Winter's heart, learned between the nillars. At the very outset, madeau that he was, be sent her into seventy miles an hour; they fairly furned off the hill into the village. At a full seventy-five he took the curve; she skidded, sheered half around and

For an instant Charley held his breath. But the master hand held her: she stendfed straightened and shot out into the desert. Above the whir of the motor, fring dust and blarring what-not, Charley got the tones of his compenion's voice. He had heard the words asmewhere in history.

"Ween your sent Mr. Creeky. Keen your sent !" The moon was now far up over the mountain, the whele depert was hathed in a mellow twillight; in the distance the mountains breeded like an uncertain

sturcherver cloud hards. They were headed straight to the northward; though there was a better road round about. Winters had chosen the hard, rocks He know Havek and his reputation; when Charley

bee-line to the mountain. offered thirty thousand for a twenty-hour drive it was not mere beniay. He had harmened in at the observatory to drop in on Walkerns on his way to

the coast. They had been classmates: likewise When the excited man out of the observatory had selend him by the collar. Winters merely had laughed. He was the speed king. The three boys who had the earth. But only Huyek knew it. Winters wondered. Through miles and miles of feeting sagebrush, eacti and sand and desolation. he rolled over the problem. Steady as a rock slight. by stooged, orign and an certain as steel he held to the north. Charley Huyck by his side, hatless, cont-

less, his hair dancing to the wind, all impatience. Why was it? Surely a man even for death would have time to get his hat The whole thing smelled speed to Boh Winters:

perhaps it was the infusion of spirit or the intensity of his companion; but the thrill ran into his vitale Thirty thousand deligra-for a stake like that-what was the balance? He had been called Wild Bob for his daring; some had called him insame; on this night his insanity was enchantment.

It was wild: the lee of the piant reseater a whirnight the car fought over the distance. The terrific recenesture and the friction of the air foroit in their faces; Huyck's face was unprotected; in no

time his lips were cracked, and long before they had crossed the level his whole face was bleeding. But he heeded it not. He only know that they were moving; that slowly, minute by minute, they were cutting down the odds that hore disaster. In

his wind a more of figures; the terrible sight he had seen in the telescope and the thing impending. Why Over and again he impeached himself and Dr.

Rebold. It had come to this. The whole world slearing and only himself to save it. Oh, for a few minutes, for one short moment! Would be get it? At last they reached the mountains. A rough, rocky road, and but little traveled. Happily Winters

had reade it once before, and knew it. He took it with every hit of speed they could stand, but even at that it was diminished to a minimum. For hours they fought over grades and ruiches, dry washouts and boulders. It was dawn, and the

sky was growing pink when they rode down souls usen the level. It was here that they you pross their first trouble; and it was here that Winters hegan to realize vaguely what a race they might be

rupaint. The necticular level which they had entered was on allow of the depart replicating into the mountains inst below a massive, newly constructed dam. The reservoir had but lutely been filled, and all was

being gut in readiness for the dedication. An immense sheet of water extending far book into the mountains—it was intended before long to transform the desert into a randen. Relow, in the vidley, was a town, already the center of a promerone irrigation settlement; but soon, with the added

area, to become a flourishing city. The cibow, where they struck it, was perhops twenty miles serves. Their parthward nath would take them just agtains the tip where the foothills of the opposite recordale chain maked into the depart. Without ado Winters put on all speed and plunged acress the sands. And then:

It was much like winking; but for all that some-thing far more impressive. To Winters, on the lefthand of the car and with the cast on the right hand, it was much as if the sun had suddenly leaped up and an saddenly plumped down behind the horizon-

azure, flaming diamond shot by a million fire points. Instantaneous and beautiful. In the pale dawn of the desert air its wonder and color were hevond all hearty. Winters complet it out of the corner of his eye; it was so instantaneous and so illusive that But Charley, too, had seen it. His attitude of waiting and hoping was vigorized into vivid action.

He knew test what it was. With one hard be "On, on, Bob! On, as you value your life. Put

At the same instant, at the same breath came a year that was not to be foreetten; crupching, rolling, terrible-like the mountain moving, Bob knew it. It was the dam. Semething had broken it. To the cost the event wall of water fall-

cut of the mountains! A heartiful sicht and tervible: a velentiess planay roller fringed sings its have by a lace of various from. The owner part was as amouth as ervotal; the stored-up waters of the mountain moving out correctly. The man thought of the little town below and its peril. But Huyck

thought also. He shouted in Winter's ear: "Never mind the town, Keep straight north, Over worder to the point of the water. The town will have to drown."

It was ineserable: there was no pity; the very strength and purpose of the command drove into the other's understanding. Dimly now he realized that they were really running a ruce against time. Winters was a daredevil; the very catastrophe sent a thrill of exultation through him. It was the climax, the great moment of his life, to he driving at a hundred miles an hour under that wall of water.

The rear was terrible. Refore they were half acress it seemed to the two men that the ware sound would drawn them. There was nothing in the world but pandementum. The strange fissh was foresten in the terror of the living well that was reaching out to engulf them. Like insects they whizzed in the corn face of the delage. When they had reached the tip they were so close that the outrunning fringe of the surf was at their wheels.

Around the point with the wide open plain before them. With the flood behind them it was nothing to outrus it. The waters with a wider stretch served out. In a few moments they had left all hehind there. But Winters wondered: what was the strange fach of evaneacent beauty? He knew this dars and

its construction; to outlest the centuries. It had burn whiffed in a second. It was not lightning. He had beard no sound other than the rusb of the waters. He looked to his commanion. Hucy's nodded. "That's the thing we are racing. We have only

a few hours. Can we reske it?" Beb had thought that he was getting all the speed nessible out of his motor. What it rielded from

that moment on was a revelation. It is not safe and hardly possible to be driving at such sneed on the desert. Only the best car and a firm readway can stand it. A sudden rut, squirrel hele, or pocket of sand is as good as destruction,

They rushed on till noon.

## Not oven Winters, with all his sirricess, could ing; the mountains had been seared like hutter, avaid it. Perhans he was year. The tedious Straight as an arrow.

actions. Printings are were receipt. The tentions. They had considered the first the state of the first they had considered the first they had considered the first they had considered the first th

broken on the sands and the great, beautiful readster a twisted rain.

CHAPTER VII.
A SIVEN CONTINENT
But back to the world. No one knew about

Charley Hayek are what was securing on the desert. Even if we had it would have been imposable to centure connection.

After the news out of Oukland, and the destrution of Mt. Heekle, we were for the assealist. The

whole thing was beyond us. Not even the selections with all their data could find one thing to work on. The wires of the world bassed with worder and with panic. We were civilized. It is really straige how quickly, in spite of our boasted powers, we recent to the numbritor.

Superstition cannot dis. Where was no explanation must be miraele. The thing had been repeated. When would it strike again. And where? There was not long to wait. But this time the strike was and for worse consequence and of far more

stroke was of far more consequence and of far more terror. The shoer maple of the thing abook the earth. Not a man or government that would not resign in the face of such destruction.

It was ourselected. A whole continent had been riser. It would be invascable to even description

of such ceitastrophe; so pen on tell it say more than it could describe the ereation. We can only follow in its path.

On the moraning affect the first catastrophe, at eight oblock, just routh of the little city of Santa Crus, on the anoth shore of the Bay of Montercy, the same Eight and the same, though not quite the arms, instantaneousness. Those who beheld it re-

port a vant hall of asser blue and qualescent for and mptice; a strainge assessition of vitalized vibration; of persculfied fiving force. In abape like a marble, as round as a full meen in its gbry, but of infinitely more beauty.

earth ace below it. Beeming to keep out of mething, it gilled or rather vanished to the envisorid. Billi the effect of winking, though this time, perbapa from a distanced focus, more vivid. A dot or machia, like a full moon, hurning, opal, souring to

from a distanced locule, more vivia. A dot or markle, like a full more, hursing, opsi, souring to the eastward. And listantaneous. Gots as noon as it was come; notocless and of planteen beauty; like a finger of the Demolecular traviers arrays the world and as two-

rible. The human mind had naver coverived a thing so wast.

Beginning at the sands of the ocean the whole country had vanished; a charm twelve miles wide and of unknown depth running streight to the eastward. Where had been farms and homes was not-

aboves of Santa Cruz to the Adlantis—a few seconds; the out into the eastern coses steaght out into the fise of the Strayase, A press guil rives straight areas the face of North America. Strayase and the Strayase of the Strayase of the eastward with a slight southern deviation. The constants of the thic cheese, Passang Just meth of Presse it seared through the algorith Strayas believe between the Youcouthe and Mt. Whitney,

Then the year of the delugs. The waters of the

One can only conceive in figures. From the

Pacific breaking through its sands and rolling into

the Gulf of Mexico. That there was no best was

evidenced by the fact that there was no steam.

thing could not be internal. Yet what you st?

serous acordorm Arisons, New Mexico, Teans, Areassas, Missiashigi, Alakomas, and Georgia, enarring the Atlantic at a point half-way between Brusswick and Jacksonville. A great cannot twelve miles in width linking the oceans. A conseignment blessing with the property of the control of the desired property of the desir

had been apcradic. Whatever had been its fefer is thad heme fittal only on pain and occasion. In a way it had been fittal only on pain and occasion. In a way it had been boad. The deality atmospheric combination of its atterments was investible in its re-braided on the statement of the control of the cont

it, as a living being. Yet it is just that. It has its corrects, life, pales, and its fevers; it is exceedinate, a millien things such as the penal streams of the cosses, the awtite of the atmosphere, make it a place to live in And we are conceived only, or mostly, through disaster. A streams thing happened.

A strange thing happened.

The great spal like a mountain of fire had riven across the continent. From the baginning and with each succession the thing was magnified. But it was not until it had streak the waters of the Atlantic that we become aware of its full putners and

its fetality.

The earth quivered at the shock, and man steed on his toes in terror. In twenty-four hours our distillmention was literally failing to pieces. We want powerful with the forces that we undestood; but against this that had been literally rigned from the unknown we were insignificant. The whole world

was freeze. Let us see.

Take the Atlantie! The transition, Hitherto silence. But now the roar of ten theorems infiling atlantie.

Niagaras, the moties of the sear rolling, attaphing the silence of the sear rolling, attaphing the silence of the silence of the silence of the toposto. The Galf Birtem set in two, the carected that toposto. The Galf Birtem set in two, the carected that toposto. Birtainjah info the Sarpasso Sea. The great opp., liquid fore, juminologent, a bull like the settlers san, kay polined upon the ocean. It was the collection of the silence of the sil

it in a second. And not a one could tell. In less earth. Not a thing out of all our science had there than forty hours after its first accearance in Oakbeen to ware us; not a word from all our wise men land it had consumed a mountain, riven a continent, We who had built up our civilization, piece by piece. and was drinking up an ocean. The tapeled sea of were after all but innects. the Sargasso, dead ealm for ages, was a cataract; a

swirling torrest of maddened waters rushed to the coal-and disappeared. It was hellish and out of madness; as beautiful as it was uncomey. The one! high as the Himalayan brooding upon the water; its myriad colors blending,

winking in a phantsom of fridesomes. The beauty of its light could be seen a thousand miles. A thing out of mystery and out of forces. We had discovered many things and knew much; but had enessed no

such thing as this. It was vamplyloh, and it was literally drinking up the earth. Consequences were immediate. The point of contact was fifty miles across, the waters of the Atlantic with one accord turned to the reservet. The Galf Stream veered straight from its course and

out across the Atlantic. The key currents from along the coasts and thence out into the Sareusso Ses. The temperature of the temperate zone dipped below the point of a blissard.

The first word come out of London. Freezing! And in July! The frust and entire baryest of northera Europe destroyed. Olympic games at Conenhagen postponed by a foot of snow. The river Seize frogen. Snow falling in New York. Crops nipped with freet as far south as Cape Hatterns. A fleet of airplanes was despatched from the

Deltad States and enother from the west coast of Africa. Not half of them returned. Those that did reported even more diseaster. The reports that were handed in were appalling. They had sailed straught on. It was like flying into the sun; the vividness of the orelessance was blinding rising for railes above

them alluring, drawing and unbely, and of a beauty Only the tardy had escaped. It even drew their motors, it was like gravity suddenly become vitalited and conscious. Thousands of machines vaulted

into the engineeroes. From those shoul hopelessly drawn and vowerless came back the warning. But hundreds could not escape "Rack," came the wireless. "Do not come too

close. The thing is a magnet. Turn back before tee late. Against this man is insignificant." Then like guate flitting into fire they vanished into the qualescence.

The others turned back. The whole world freesing shaddered in horror. A great vampire was brooding over the earth. The greatness that man had attained to was nothing. Civilization was tottaring in a day. We were hopeless, Then came the last revelstion; the truth and varity of the disaster and the threatened climax.

The water level of all the coast had roze down. Vest abb tides had gone out not to return. Stretches of sand where had been surf extended for out into the ses. Then the truth! The thing, whatever it was was drinking up the ocean.

CHAPTER VIII

THE MAN WHO SAVED THE EARTH It was tragic; grim, terrible, coamic. Out of nowhere had come this thing that was caling up the

We were going out in a more of beauty into the infinity whence we came. Hour by hour the great orh of emissence grew in splender; the effect and the beauty of its lure spread about the earth; theilling, vibrant like suppressed music. The old earth helpless. Was it possible that out of her beacm she

could not plack one intelligence to save her? Was there not one law-no answer? Out on the desert with his face to the see lov the answer. Though almost hopeless there was still

some time and enough of near-miracle to save us. A lamping fate in the shape of two Indians and a battered runsbout at the last moment. Little did the two red men know the value of the two men found that day on the desert. To them the débris of the mighty ear and the serve bodies told enough of the story. They were Samaritans;

had there are many ages to bless them. As it was there were many hours lost. Without this loss there would have been thousands snared and an almost immeasurable amount of disaster, But we have still to be thankful. Churley Havek

was still living. He had been stanned; hattered, bruised, and unconscious: but he had not been infured vitally There was still enough left of him to drag himself to the old runsbout and call for Winters. His com-

panien, as it happened, was in even better shape than himself, and waiting. We do not know how they talked the red men out of their relieuschather by coaxing, by threat, or by force, Straight north, Two men battared, worn, brulaed,

but steadfast, bearing in that limping old metorear the deatiny of the earth. Fate was still on the They had lost many precious hours. Winters had forfelted his right to the thirty thousand. He did not care. He understood vaguely that there

was a stake over and above all money. Hovek said nothing; he was too mained and too much below will-power to think of speaking. What had occurred during the many hours of their means commen was unknown to them. It was not until they eame sheer men the gulf that had been riven structht across the continent that the awful truth dawned on them. To Winters it was terrible. The mere glimpee of

that blackened change was terror. It was bottomhose of its uncertain shadows was akin to choos. He understood vacuely that it was related to that terrible thing they had beheld in the morning. It was not the nower of man. Some force had been loosened which was ripping the earth to its vitals. Acres the terror of the chasm be made out the dire autlines of the exposite wall. A full twelve

miles across. For a reament the sight avergame agan Huyck himself. Full well be know; but knowing, as he did, the full fact of the miracle was even more than be expected. His long years under Robold, his scientific imagination had given him comprehension. Not puny steam, nor weird electricity, but force,

kinetics-out of the universe.

den energy. He reized Winters by the arm. "To the first town Rob. To the first tearn-on

astrodome " There was speed in that rector for all its decades course parallel to the great charm. But for all his

speed he could not keep back his question. "In the name of Heaven, Charley, what did it? Came the sonwer: and it drove the last of all

speed through Winters "Bob," said Charley, "it is the end of the world— if we den't make it. But a few hours left. We

must have an airplane. I must make the moun-It was enough for Wild Bab. He settled down. It was only an old ranabout; but he could get speed

out of a whosharrow. He had never driven a race like than. Just care did be smeak. The words were characteristic. "A world's record. Charley. And we're going to

win. Just watch us." And they did. There was no time lost in the change. The more fact of Huyck's name, his appearance and the manpar of his arrival was enough. For the last hours, messages had been pouring in at every post in the Backy Mountains for Charley Harok, After the failure of all others many thousands had thought of

Even the government, unappreciative before, had awakened to a belated and almost frantic esgemess. Orders were out that everything no matter what was to be at his disposal. He had been regarded as visionary; but in the face of what had occurred, visions were now the most practical things for markind. Besides, Professor Williams had sent out to the world the strange portent of Hurck's note. For years there had been prestery on that mountain.

Unfortunately we cannot give it the description we would like to give. Fow men outside of the rogplar employees have ever been to the Mountain of Robold. From the very first, owing perhaps to the great forces stored, and the danger of earelessness. strangers and visitors had been barred. Then, too, the secreey of Dr. Robold-and the respect of his successor. But we do know that the harming gians had grown into the mountain.

But. Winters and the aviator are the only open to tell us; the employees, one sad all, those to remain. The cateolysm that followed destroyed the work of Hurck and Robold-hut not until it had served the greatest deed that ever came out of the minds of mon. And had it not been for Huyck's insistence we would not have even the account that

panions return while there was yet a chance. Full well he knew. Out of the universe, out of space he had coaxed the forces that would burn up the earth. The great hell of luminous opalescence, and the diminishing ocean ! There was but one answer. Through the imagi-

we are giving.

notive emins of Robold and Hovek, fate had workad up to the moreout. The lad and the horning glass had grown to Archimedea.

The place neared the Mountain of Robold. The great hald support and the four ecormons rishes of country. At least we so severe We have Winterly ward and that of the eviator that they were of the appearance of glass. Perhaps they were not but we can evalure it for description. So engranus that name they get once a place they would have overtopped the highest building ever constructed:

though on the height of the recretain, and in its contrast, they were not much more than solf balls. It was not their size but their effect that was startling. They were alive. At least that is what we have from Winters. Living, luminous, hurning, twenting within with a thousand blending, iridescent beautiful colors. Not like electricity but cornelling infinitely more powerful. Great mysterious magnets that Havek had charged out of charge. Glowing with the section light; the whole recentain height-

exed as in a dream, and the town of Robold at its hase lit up with a heauty that was past beholding. It was new to Winters. The great buildings and the enormous machinery. Engines of strangest pettern, driven by forces that the rest of the world bud not thought of Not a swand; the whole works a complicated mass covering a hundred acres, drivthe with a silence that was marie. Not a white parfriction. Like a living composite body pulsing and breathing the strange and mysterious force that had here employed from Brough's theory of binatics. The four event steel conduits running from the clokes down the side of the mountain. In the center, at

a noint midway between the clobes, a massive steel readle burn on a rivel and minted directly at the SID. Winters and the aviator noted it and wondered. From the lower end of the needle was pouring a leminous atream of pale-blue qualescence, a stream much like a liquid, and of an unholy radiance. But it was not a liquid, nor fire, nor anything seen by It was force. We have no better description than the ant phrase of Winters. Charley Hurric was

willeten the non as it decreased from the and of the four living streams to the four globes that took it into atorson. The four great, wonderful living slokes; the four batteries; the very sight of their inverteened beauty and rower was magnetic The genius of Hurck and Roboldt Nobody hat the wildest draggers would have experied it. The

life of the um. And captive to man; at his will and volition. And in the next few minutes we were to less it all! But is losing it we were to save ourselves. It was fate and nothing else.

There was but one thing more upon the megatain-the observatory and another needle annareathy title; but with a maint much tiles a gigantic phonograph needle. It rose square out of the observatory, and to Winters it gave an improvision of It was he who insisted, ney, benged, that his coma stronge can, or some implement for sighting, That was all. Carrier with the sneed that they

were making, the sirmen had no time for further investigation. But even this is comprehensive. Mines the force. If we only know more shout that or even its theory we might perhaps reconstruct the

They made the landing. Winters, with his na ture, would be in at the finish; but Charley would not have it. "It is death. Boh." he said. "You have a wife and habits. Go back to the world. Go back with all

the speed you can get out of your motors. Get an far away as you can before the and comes." With that he bade them a sad farewell. It was the last spoken word that the cutoide world had

from Charley Huyek The last soon of him he was running up the steps of his office. As they seered owny and leoked back they could see men, the employees, searrying about in frantic haste to their respective posts and sta-

tions. What was it all about? Little did the two aviators know. Little did they dream that it was the deciding stroke.

### CHAPTER IX

THE NOST TRESIFIC MOMENT IN HISTORY Still the great ball of Oncleagence broading over the Sarragan Parries new was from and though it was midsummer had some into winter quarters. The Straits of Dover were no more. The waters had receded and one could walk, if exceful, dryshed from the shores of France to the chalk cliffs of England. The Straits of Gibralter had dried up.

The Mediterranean completely land-locked, was est off forever from the tides of the mother ocean. The whole world going dry; not in ethics, but in reality. The great Vampire, luminous, beautiful beyond all ken and thinking, drinking up our lifeblood. The Atlantic a vast whiripool.

A strange frensy had fallen over mankind: men fought in the streets and died in madness. It was fear of the Great Unknown, and hysteria. At such a memora the veil of civilization was turn to tatters. Man was reverting to the primoval Then cares the word from Cherley Hurck: fash-

ing and repeating to every clime and nation. In its assurance it was almost as miraculous as the Vampire itself. For man had surrendered.

TO THE PROPER OF THE WORLD The strange and terrible Opalescence which, for the pest seventy hours, has been playing havee with the world, is not miracle, nor of the supermatural. but a mere manifestation and result of the application of celestial kinetics. Such a thing always was and always will be possible where there is intelli-

gence to control and harness the forces that lie about us. Space is not space exactly, but an infinite cistern of unknown laws and forces. We may control certain laws on earth, but until we reach out forther we are but playthings Man is the intelligence of the earth. The time will come when he must be the intelligence of a ereat Aval of space as well. At the present time you

are merely fortunate and a victim of a kind fate. That I am the instrument of the earth's salvation is. merely chance. The real man is Dr. Robold. When he picked me up on the streets I had no idea that the securice of time would drift to this moment

He took me into his work and taught me Recause he was pensitive and was laughed at, we worked in secret. And since his death, and out of respect to his memory, I have continued in the same the laws, computations, formulas - everything; and Robolt had a theory on kinetics. It was strange, at first and a thing to laugh at; but he reduced it to laws as potent and as inexproble as the laws of The luminous Opalescence that has almost destroyed us in but one of its mixer manifestations.

I am now willing it to marking

It is a mesoage of sinister intelligence; for back of it all is an Intelligence. Yet it is not all sinister. It is self-preservation. The time is coming when cons of area from new our own men will be forced to compley just such a weapon for his own recogress. tion. Either that or we shall die of thirst and agony,

Let me ask you to remamber now, that whatever you have suffered, yet have saved a world. I shall now save you and the sorth. In the vanite you will find everything. All the knowledge and discoveries of the great Dr. Robold.

plus a few minor findings by myself. And now I bid you forewell. You shall soon be CHARLEY HUYCK A strange message. Spoken over the wireless

and flashed to every clims, it roused and revived the hope of mankind. Who was this Charley Huyck? Uncounted millions of men had never heard his rams: there were but few, very few who had A message out of nowhere and of very debises. and doubtful explanation. Celestial kinetics! Undoubtedly. But the words exclained nothing. How, over, man was ready to accept anything, so long as

it saved him.

For a more lucid explanation we must go back to the Arisons chaerentory and Professor Ed. Williams. And a stratge one it was truly; a certain proof that consciousness is more petent, for more so than mere material; also that many laws of our astron-

Charley Hurck was right. You cannot measure intelligence with a yard-stick. Mathematics do not he; but when applied to consciousness they are very likely to kick backward. That is precisely what had harpened

The suddenness of Huyek's departure had nonsied Professor Williams; that, and the note which he found upon the table. It was not like Charley to so off an in the stress of a moment. He had not even taken the time to get his hat and cost. Surely something was aming.

He read the note recefully, and with a deal of wender. "Lock there up. Keep by the lens. If the world

goes up you will know I have not reached the moun-What did he mean? Besides, there was no data for him to work on. He did not know that an errent bevere had plumped the information behind the bookease. Nevertheless he went into the observa-

tory, and for the balance of the night stuck by the Now there are uncounted millions of stars in the ster Williams had nothing to on hy. A needle in

the hay-stack were an easy task compared with the one that he was allotted. The flaming mystery,

whatever it was that Horn's had seen was not esurat by the prefessor. Still he wondered "If the world gees up yed will know I have no But he was not warried. The professor loved delightful fancies. Doubtless this was one of them.

It was not until the news some flashing out of Onklend that he began to take it seriously. Then follearned the disappearance of Mount Hookle. "If the world wors un"-it been to look as if the words There was a frantle professor during the next

few days. When he was not with the loss he was flashing out messages to the world for Charley Hovek. He did not know that Hovek was bring unconscious and almost dead upon the desert. That the world was coming to satustronbe he knew full well; but where was the man to save it? And most

of all, what had his friend mount by the words. "look these up"? Sarely there must be some further information. Through the long, long hours he stayed with the lens and waited. And he found nething.

Surely not Professor Williams. He was sweating bland. The whole world was group to places withcut the trace of an explanation. All the mathematies off the accumulations of the ares had availed for nothing. Charley Hayek hold the secret. It was in the stars, and not an astronomer could find it. But with the seventeenth hour came the turn of fortune. The professor was passing through the

office. The door was open, and the same fitful wind which had played the original prunk was now just as fitfully performing restitution. Williams noticed a place of paper protrucing from the back of the booleans and finiteeing in the breeze. He micked it un. The first words that he saw were in the handwriting of Charley Huyck. He read:

"In the last extremity-in the last phase when there is no longer any water on the earth; when even the oxygen of the atmospheric caveloge has here reduced to a minimum-man, or whotever form of intelligence is then upon the earth, must on back to the laws which governed his forebears. Necessity must over he the law of evolution. There will be no water upon the earth, but there will be

on uslimited quantity eleowhere "By that time, for instance, the great pleast, Junitar, will be in just a convenient state for explostation. General now, it will be, by that time, in fast

about the stage when the steam and water are conferming unto come. Econ of millions of years away in the days of dire necessity. By that time the intelligence and conscionmens of the earth will

have grown equal to the task. "It is a thirm to laugh at (perhaps) just at present. But when we consider the ratio of man's advance in the last hundred years, what will it be in a bil-

han? Not all the laws of the universe have been discovered, by any means. At present we know nothing. Who can tell? "Ave, who can tell? Perhaps we ourselves have in store the fate we would mele out to seether. We have a very dangerous neighbor close heelds us. Mars is in dire straits for water. And we know there is life on Mars and intelligence; The very

"How for has this intelligence progressed? That is the question. Nature is a slow worker. It took eces of ages to put life upon the earth; it took over of more ages to make this life conscious. How far will it pe? How far has it your on Mara!" That was as for the the comments went. The professor dropped his eyes to the real of the paper It was a map of the face of Mara, and arrows its center was a black cross scratched by the dull major It was those days. Who will ever farnet there?

fact on its fora proclaims it. The oceans have dried

one the colo way they have of holding life is her bringing their water from the noise messeens.

erative intelligence: there is life upon Mars and in an advanced stage of exclution

"But how for advanced? It is a small planet, and

consequently cons of ages in advance of the santh's

evolution. In the nature of things Mars cooled off

suickly, and life was nearlyle there while the earth

was yet a passeous mans. She has gone to her maturity and into her retrogression; she is approach-

ing her end. She has had less time to produce intel-

ligence than intelligence will have in the end-

of a soft percil He know the face of Mars. It was the Assessed Lorus. The casis at the juncture of a series of canala running much like the snokes of a wheel. The great Uranian and Aksider Capals coming in at about right angles. In two imps the professor was in the observatory with the great lens awang to focus. It was

the great moment out of his lifetime, and the stratest and most easer moment, perhana everlived by any automorace. His france falsks toltak ed with tomion. There before his view was the full face of our Mortion reighbor! But was it? He examed out a breath of stortled exchanation. Was it Mars that he smed at: the whole face, the whole thing had been changed be-

Mars has over been red. Viewed thousand the toleacone it has had the most beautiful tinge imaginable, red other, the unird time of the desert in source. The color of exchantment and of hell! For it is so. We know that for ages and ages

the planet has been burning up; that life was nonaffile only in the dry sea-betterns and under tryingtion. The rest, where the continexts once ware, was blazing desert. The redness, the heauty, the en-All this had changed. Instead of this was a beautiful shade of tridescent

green. The red was gone forever. The great planet standing in the heavens had grown into infoits place. Like the great Day Star transplanted. The professor sought out the Ascress Leges. It

was hard to find. The whole face had been transful theen of green and verbare. He realized what he was beholding and what he had never dreamed of seeing; the reas of Mars filled un.

With the stelen oceans our erim neighbor had come hack to youth. But how had it been done. It was barrer for our world. The great luminescent hall of Opalescence | Europe frozen and New York a mans of ios. It was the earth's destruction, How long could the thing keep up; and whence did it come? What was it? He rought for the Ascresus Lucus. And he beheld a strange night. At the very spot where should have been the igneture of the canals be caught what at first looked like a pin-point flame, a strange twinkling light with filtting glow of Qualascence, He watched it, and he wondered. It seemed to the professor to grow; and he notized that the green about it was of different color. It was winking, like a great force, and much as if alive; baneful. It was what Charley Huyck had seen. The professer thought of Charley. He had hurried to the

mountain. What could Huyck, a mere man, do scainst a thing like this? There was naught to do but sit and match it drink of our life,blood. And then-It was the measure, the strongs assurance that Hurck was flashing over the world. There was no look of confidence in the words he was speaking. "Celestial Kinetics," so that was the answer! Certalely it must be so with the truth before him. Williams was a doubter no longer. And Charley Hurck could save them. The man be had humored. Ranonly be waited and stuck by the lens. The whole

It was perhaps the most terrific moment since ereation. To describe it would be like describing december. We all of us went through it, and we all of un thought the cod had opme; that the earth were toers to atoms and to chaos. The State of Colorado was barid with a red light of terror; for a thousand miles the firme shot above the earth and into space. If over spirit went out in

world waited.

glory that agirit was Charley Huyck! He had come to the moment and to Archimedes. The whole world recked to the recoil. Compared to it the mightiest earthquake was but a tender shiver. The conscious-

ness of the earth had spoken! The newfestor was knocked upon the floor. He

knew not what had becomed. Out of the windows and to the north the fame of Colorado, like the whole world coine un. It was the last moment, But he was a scientist to the end. He had remired his ankle and his face was bleeding; but for all that

The great planet with its sinister, haleful, wisked light in the center, and another light wastly larger covering up half of Mars. What was 22? It was moving. The truth set him almost to shouting. It was the answer of Charley Huyck and of the world. The light grew smaller, smaller, and almost

to a nin-point on its way to Mars. The real climax was in silence. And of all the world only Professor Williams beheld it. The two lights coaleaced and spread out; what it was on

But in a few moments all you gone. Only the ereen of the Martin See winked in the smallpht. The luminous coal was gone from the Sargusso. The

It was a terrible three days. Had it not been for the work of Robold and Huyck life would have been destroyed. The rety of it that all of their discoveries have rone with them. Not even Charley real-He had carefully locked everything in vaults for

e safe delivery to man. He had expected death, but not the estadores. The whole of Morret Robold was shorn away; in its place we have a lake fifty miles in diameter So much for calestial kinetics. And we look to a green and beautiful Mars. We hold no enmity. It was but the law of self-preserva-

tion. Let us hope they have enough water; and that their sees will hold. We dee't bloom there, and was don't blame ourselves, sither for that matter. We need what we have end we hope to keep it.

### The Thing from "Outside" By GEORGE ALLEN ENGLAND (Concluded)

THE EXP

That Marr was dead and the girl alive-that much. at all exects, was solid. He could held to that: he could climb back, with that, to the real world again Jandron climbed back, came bank. Time healed

him, so it bealed the girl. After a long, long while, they had meech together. Captionsly he sounded her wells of memory. He saw that she recalled nothing. So be told her white lies about expained

ranids-of all the party except herself and him. Vivian believed. Fate, Jandren knew, was being very kind to both of them. But Vivian could never understand in the least why her bushend not very lone after merriage.

saked her not to wear a wedding-ring or any ring whatever. "Men are so queer!" covers a multitude of psychic

arcoits Life, for Jandron-life, softened by Vivian-knit itself up into some reasonable semblance of a sormal patters. But when, at lengthening intervals, the alime of cosmic mysteries that it is madness to everywhile or when at certain times Jandson need a ring of any sort, his heart chills with a cold that

reeks of the horrors of Infinity. And from shadows past the houndaries of our universe seem to becken Things that, God grant, can never till the end of time be known on earth.



"For God's saled—saidd—out me to sine—ou, saidd—waters met—saidd—out to you that I am dead?"

### THE FACTS IN THE CASE OF M. VALDEMAR

telling us his views obent the higher philosophy

end the fature world. Messurenes in mother of Por's stories, "Messurie Ecviptions" is made an aprecable

stilling for some of his distinguishes which he is willing

COTTONE I shall not pretend to conorder it any matter for wonder, that the extraordinary case of M. Valdemar has excited discussion. It would have been will a miracle had it not-emerially under the gircomstances. Through the desire of all parties concerned, to keep the affair from the public, at least for the present, or until we had further opportunities for investigation—through our endeavors

to effect this-a carbled or exargerated account made its way into society, and became the source of many unpleasant misrepresentations; and, very naturally, of a great deal of disbelief.

It is now rendered necessary that I give the facts -as far as I comprehend them myself. They are, anocinotly, these My attention, for the last three years, had been

repeatedly drawn to the subject of Mesmerism; and about nine months sen, it occurred to ms, quite sudto, there had been a very remarkable and most unaccountable orginates; no person had an vet been meanerized in articule stortis. It remained to be seen, first, whether, in such condition, there existed in the nationt any appropriation to the magnetic in-

finence; secondly, whether, if any existed, it was impaired or increased by the condition; thirdly, to what extent, or for how long a period, the eneroachments of Death might be arrested by the process. There were other points to be ascertained, but these most excited rev curiosity, the last in emerial, from

the immensely important character of its con-In looking around me for same subject by whose means I might test these particulars, I was brought to think of my friend, M. Erpest Valdemar, the

well-known recreation of the "Ribliotheca Foressica." and author (under the nors de plane of Issachar Marx) of the Polish versions of "Walleentein" and "Gargantua." M. Valdemar, who has resided princitally at Harlem, N. Y., since the year 1839, in MESHERISM is the granter story by Educe Alian Poe har again been used as a nektite for

(or was) particularly notionable for the extreme specens of his personsampling those of John Randelph; and, also, for

to a searcher different character. It is again messer-fen solitik he employe. It is sonic as he of eliberative to whiskers, in violent conbe reid uz, but the stary leads up avadable and east trast to the blackness of stillfully to a demonstrat, the most horrifying and terrible in all modern story tolling. This very short his hair-the latter, in consequence, being very generally mistaken for a wig. His temperament was markedly nervous, and rendered him a good subject for mesmeric experi-

ment. On two or three oppasions I had not him to sleep with little difficulty, but was disappointed in other results which his peculiar constitution had naturally led me to anticipate. His will was at no period positively, or thoroughly, under my control, and in regard to obsirresonce, I could nocorrolled with him nothing to be relied trees. I always attributed my failure at these points to

the disordered state of his health. For some months previous to my becoming sequainted with him, his physicians had declared him to a confirmed phthisis. It was his custom, indeed, to speak calmiy of his approaching dissolution, as

When the ideas to which I have alluded first occurred to me, it was of course very natural that I should think of M. Valdemar. I knew the steady philosophy of the mon too well to apprehend any scruples from him; and he had no relatives in America who would be likely to interfere. I spoke to him frankly upon the subject; and to my surprice, his interest seemed vividly excited. I say to my surprise; for, although he had always yielded his fore given me any tokens of sympathy with what I did. His disease was of that character which would admit of exact calculation in respect to the epoch of its termination in death; and it was

of a matter neither to be avoided nor regretted.

finally arranged between us that he would send for me about twenty-four hours before the period anpounced by his physicians as that of his decease. It is now rather more than sexto months alone I received, from Valdemar himself, the subjoined

"My dear P-"You may as well come note. D- and F---

midnight; and I think they have hit the time very nearly. "Valdemer." I received this note within half an hour after it was written, and in fifteen minutes more I was in

the dying man's chamber. I had not seen him for ten days, and was annulled by the fearful alteration which the brief interval had wrought in him. His face were a leaden bue; the even were utterly lastreless; and the emociation was so extreme, that the skin had been broken through by the check-boxen. His expectoration was excessive. The pulse was harely perceptible. He retained, nevertheless, in a pery symarkable manner, both his mental newer

and a certain degree of physical strength. He spoke with distinctness, took some nallistive medicines without sid-and, when I entered the roces, was occupied in penelling memoranda in a porketbook. He was propped up in the bed by pillows. Doctors D-

and F- were in at-After pressing Validemar's hand, I took these exptiemen saids, and ob-

tained from them a minute account of the patient's condition. The left lung had been for eighteen months in a semi concous or cartilaginous state, and was, of course, entirely

useless for all purposes of vitality. The right, in its upper portion, was also partially, if not thoropolity, ossified, while the lower region was morely a ream of numbers tubercles surning one into snother. Several extensive perforations existed: and, at one point, permanent adhesion to the ribs had taken place. These appearances in the right lebe were of commentively recent date. The assistantion had proceeded with very unusual rapidity; no sign of it had been discovered a month before, and the adhesion had only been charried during the three previous days. Independently of the phthisis, the patient was suspected of ansurism of the sorts; but on this point the osseous symptoms rendered an exact diamensis improvible. It was the coining of both physicians that M. Valdemar would doe about midnight on the morrow (Sunday). It was then

On quitting the invalid's bedside to hold conversation with myself, Doctors D .-- and Fhad hidden him a final farewell. It had not been their intention to return; but at my remnat, they serred to look in smon the noticed about ten the pext night.

When they had cone, I snoke freely with M Valdenser on the subject of his approaching dissolution, as well as, more particularly, of the experiment recessed. He still professed himself quite willing and even anxious to have it made, and urged me to commence it at once. A male and a myself altogether at liberty to engage in a task of this character with no more reliable witnesses then these name in ease of sudden arridant relight

prove. I therefore postpoped corretions until about sight the next wight, when the arrival of a medical student with whem I had some somulationes (Mr. Theodore L-1), relieved me from further emwait for the physicians; but I was induced to pro-

cend, first, by the urgent entreaties of M. Valdemar, and secondly, by my conviction that I had not a moment to lose, as he was evidently sicking fast. Mr. L-I was so kind as to accede to my desire that he would take notes of all that occurred; and it is from his memorania that what I now have to

relate is, for the most part, either condensed or copied paybation. It wanted about five minutes of eight when, taking the patient's hand, I begged him to state, as distinctly as he could, to Mr. L--- L whether he

(M. Valdemar) was entirely willing that I should make the experiment of manmerising him in his then condition. He replied feebly, yet quite audibly, "Yes, I wish to be mesmerized"-adding immediately afterward,

"I fear you have deferred it too long," While he spoke thus, I commenced the passes which I had sirendy found most effectual in subduing him. He was evidently influenced with the first lateral stroke of my hand across his forehead; but although I exerted all my powers, no further perceptible effect was induced until some minutes after ten o'clock when Doctors D- and Fcalled, according to appointment. I explained to them, in a few words, what I designed, and as they

ornesed no objection, saying that the patient was already in the death arony. I proceeded without hesitation-exchanging, however, the leteral passes for downward ones, and directing my gaza entirely

into the right eye of the sufferer. By this time his pulse was imperceptible and his breathing was stertorous, and at interests of half

This condition was nearly unaltered for a quarter of an hour. At the expiration of this period, however, a natural although a very deep sigh escaped the boscen of the dying man, and the stertorous breathing ceased—that is to say, its steriorousness was no longer apparent; the intervals were undiminished. The patient's extremities were of an

ier coldness.

which it is quite impossible to miotake. With a few ranid lateral masses I made the life resister. as in incipient sleep, and with a few more I closed them altogether. I was not satisfied, however, with with the fullest exertion of the will, until I had completely stiffened the Fouls, of the salarnherer. after placing them in a securingly easy position. The legs were at full length; the arms were nearly so, and reposed on the bod at a moderate distance from the loins. The head was very slightly elevated. When I had accomplished this, it was fully mid-

At five minutes before eleven, I perceived un-

glassy roll of the eye was changed for that ex-

pression of unexar engaged examination which is power same owners in cases of slammarkton and

conjugged signs of the marmaric infrares.

night, and I respected the sentlemen present to examine M. Voldemor's condition. After a few experiments, they admitted him to he in an unusually perfect state of measuric trance. The carlosity of both the physicians was greatly excited. Dr. D .-resolved at once to remain with the patient all night. while Dr. F- took leave with a promise to return at daybreak. Mr. L--- | and the nurses remained. We left M. Valderear artiroly undisturbed until

about three o'clock in the morning, when I approached him and found him in precisely the same condition as when Dr. F--- went away-that is to say, he lay in the same position; the pulse was imperceptible; the breathing was gentle (scarethy noticeable, unless through the application of a mirror to the lips); the eyes were closed naturally; and the limbs were as rigid and as cold as marble. Still, the general appearance was certainly not that

As I approached M. Valdemar I made a kind of half effort to influence his right arm into pursuit of my own, as I passed the latter gently to and fro above his person. In such experiments with this nationt. I had never perfectly succeeded before, and saveredly I had little thought of snoveding now: but to my astonishmut, his arm very readily,

although feelsly, followed every direction I assigned it with mins. I determined to becard a few words of conversation "M. Valdemay." I said, "are you asleen?" He made no answer, but I perceived a tremor about the line, and was thus induced to repeat the cuestion, again and again. At its third repetition, his

whole frame was agitated by a very slight shivering; the cyclids unclosed themselves to far as to display a white line of a hall; the lips moved aluggishly, and from between them, in a berely sudfale "Yes;-asleep now. Do not wake mel-let me

die sole I here felt the limbs and found them as motel as ever. The right arm, as before, obeyed the

direction of my hand. I questioned the alten-waker "Do you still feel pain in the breast, M. Valde-

The answer now was immediate, but even less andible than before "No neis-I am dvine."

I did not think it advisable to disturb him further just then, and pothing more was said or done until surrise, and expressed unbounded astonishment at finding the retient still alive. After feeling the make and excludes a selector to the line he was cuested me to speak to the sleen-waker again. I did so, saving:

M. Valdemar, do you still sleep?" As before some migutes element ere a realy year made; and during the interval the dring man reemed to be eclienting his energies to sneak. At

my fourth repetition of the question, he said very faintly, almost insudibly; "Yes: still esteen-dring." It was now the opinion, or rather the wish, of the physicians, that M. Valdemar should be suffered

the arrival of Dr. P-, who came a little before

to remain undisturbed to his present appropriate to remain undesturbed in his present apparently tranquil condition, until death should supersurbeand this, it was emporally agreed, must now take place within a few religitor. I constituted beweener to speak to him once more, and merely repeated my

While I sucke, there earns a marked change ever the counterpage of the steen waker. The ever velled themselves slowly open, the pupils disappearing upwardly: the skin concenty assumed a radaysrous bue, resembling not so much parchment as white paner: and the circular bestic spots which, hitherto. and been strength defined in the rentre of each check, sent out at once. I use this expression, bein mind of nothing so much as the extinguishment of a cardle by a puff of the breath. The upper ilm. at the same time writhed itself away from the teeth which it had previously covered completely; while the lower taw fell with an audible terk, leaving the mouth widely extended and disploying in full view the swollen and blackened toneue. I presures that no mercher of the narty then present had been unaccuntumed to death-bed horrors; but so hideous beyond conception was the amearance of

eral shrinking back from the region of the bed. I now feel that I have reached a point of this narrative at which every reader will be startled into positive disbelief. It is my business, however,

were consisting him to the charge of the nurses. when a strong vibratory motion was observable in the tongue. This centimed for perhaps a minute. the distanced and motioniess jaws a voice-such as it would be readness in me to attempt describing. There are indeed two or three enithets which might be omeidered as applicable to it in part; I might say, for example, that the sound was barab, and broken, and bollows but the hideous whole is indescribeble, for the sleeple reason that no similar counds have over jureal upon the ser of homester There were two particulars, nevertheless, which I thought then, and still think, might fairly be stated as characteristic of the intenation-as well adapted to convey some idea of its unearthly peculiarity. In the first place, the voice seemed to reach our sare-at least mine-from a vast distance, or from some deep covers within the earth. In the second

place it impressed me (I fear, indeed, that it will be impossible to make movelf comprehended) as

I have spoke both of "spoud" and of "mine". I of even wonderfully, theillingly distinct-wellshifention M Valdeman encha-obstouch to marks to the question I had propounded to him a few minutes. before. I had asked him it will be remembered if he still about He now said: "Yes:-no:-I have been electrice-and now-

No person present even affected to deay, or atterroted to represe, the unotterable, shuddering hearen which these few words, thus uttered, were

so well calculated to convery. Mr. L---- (the student) amounted. The names immediately left the chamber, and could not be induced to return. My own interessions I would not reveted to reader intelligible to the reader. For nearly an bour we buried ourselves, eilently-without the utterance of a ward-in endowers to vering My I ..... I When be came to himself we addressed ourselves again to an investigation of M. Valderark condition. It remained in all respects as I have at least described it, with the exception that the mirror no bearer afforded evidence of respiration. tempt to draw blood from the arm failed. I should mention, for, that this limb was no further subject to rev will. I ardeamyred in wall to make it follow the direction of my hand. The only wal indication. indeed of the measureric influence, was now found to the vibratory movement of the tengue, whenever I

addressed M. Valdemar a question. He seamed to be making an effort to reply, but had no longer suffisized unliving. To ourses nut to him by any other person than myself be seemed situate inserable... although I endeavored to place each member of the commany in measureric camport with him. I believe that I have now related all that is necessary to an understanding of the sleep-waker's state at this spools. Other nurses were procured; and at ten c'clock I left the house in company with the two physicians and Mr. L .-- L In the afternoon we all called again to see the patient. His condition remained precisely the same. We had now some discussion as to the twomiety and fessibility of awakening him; but we There was no longer the faintest sign of vitality

had little difficulty in agrecing that no good purpose in M. Valdemar; and constuding him to be dead, wa would be served by so doing. It was evident that, so far, death (or what is usually termed death) had been arrested by the measurie process. It second clear to me all that to awaken M. Valdemar would he werely to insure his instant, or at least his mandy dissolution

From this period until the close of last weekan interval of nearly seven months-we continued to make daily calls at M. Valdemar's house accomnamed, now and then, by medical and other friends.

All this time the sleep-waker remained expetty as I have at last described him. The nurses' sites. tions were continued It was on Friday last that we finally resolved to make the experiment of awakening, or attempting to awaken him; and it is the (perhaps) unfortunate result of this latter experiment which has given rise

of what I cannot help thinking unwarranted popular For the purpose of relieving M. Valdomar from

### AMAZING STORIES

the manneric transe. I made use of the contempre reases. These for a time were represented. The descent of the less. It was observed, as experially remarkable, that this lowering of the pupil was

accompanied by the profuse out-dewing of a veland highly offernive oder. It was now suggested that I should attempt to influence the restrict's arm or herstofore. I made

the attempt and falled. Dr. F -- then intirested a device to have me and a question. I did so as "M. Valdemar, can you explain to us what are

your feelings or wishes new?" There was an instant return of the heetic circles on the checks: the tenome provered, or rather relied violently in the mouth falthough the fews and lips remained rigid so before); and at length the same

forth: "For God's sake!--outsk!--outsk!--vot me to elem-or, muck!-waken me!-quitk!-/ say to

preparation is a manageable convenience, but its

I wan thereoghly unnerved, and for an notant remained undesided what to do. At test I reads in this through total charge on of the sell I so traced my state and as cornectly structed to auxilian him. In this afternot I seen any that I should be successful-or at least I your facied that my rowers would be complete, and I on some that

you that I am dead?"

For what really occurred, however, it is quite proposible that any human being could have been na cmare d

As I rapidly made the measurer passes, amid ejeculation of "dead! dead?" absolutely juridian from the tourne and not from the lies of the sufferer, his whole frame at ence-within the space of a single minute, or even less, shrunk-crumbted -nhadulely raffed away brooth my hone. Town the bed, before that whole cormery, there lay a rearly liquid man of leathermemof detectable

### The New Accelerator By H. G. WELLS (Concluded)

moneticabelity is certainly demonstrated beyond all Since that adventure he has been steadily bringing its use under control, and I have several times and without the alightest bad result, taken measured have not yet ventured alread again while under its influence. I may mention for example, that this steey has been written at one sitting and without intervention, except for the mittiling of some chocolate, by its means. I began at \$:25, and me watch is now very nearly at the minute most the half-hours. The consecutions of security a lower uninterrupted spell of week in the midst of a day full of engagements cornet be experiented. Gibberra in now working at the quantitative handling of his preparation, with consciol reference to its distinctime effects men different types of avestitution. He thus hones to find a Retarder with which to dilute its present rather excessive potency. The Retarder will, of course, have an effect the reverse of the Accelerator's: word above it should enable the patient to append a few accords over recey bours action, a glucier-like absence of alarrity, amidst the most animated or irritating surroundings. The two us to concentrate curveters with tremendous impact. men any moment or occasion that demands our etmost sense and vigor, the Retarder will enable us to ness in passive transmitty through infule hard. abin and tedime. Perhans I see a little cettedate. about the Retarder, which has indeed still to be discovered, but about the Accelerator there is no nouthle nort of doubt whatever, Its assessment upon the market in a convenient, controllable and It will be obtainable of all chemists and drosouts. In small green bottles, at a high but, canadering price. Gibberne's Nervous Accelerator it will be called, and he hopes to be able to supply it in three strengthe; one in 200, one in 100, and one is 2,010. distinguished by yellow, pink, and white bleis re-

No doubt its one runders a great number of very extraordinary things possible; for, of come, the most remarkable and, possibly, even critical procoolings may be effected with impurity by thus dodgler, as it were, into the intersticus of time. Like all potent preparations it will be liable to abuse. We have, however, discussed this aspect of the curais purely a matter of modical invisprudence and things together must necessarily work an entire altorether entries our province. We shall reacufacture and nell the Accelerator, and as for the revolution in civilized existence. It is the beginning of our escape from that Time Correct of which consequences-we shall see. Cartyle speaks. While this Accelerator will enable

DR. HACKENSAWS SECRETS 4805E who read the famous Dr. Machineson's Sources in SCIENCE, AND INVENTION magazine, may be determined to bee that we have up hard a great many of Dr. Hackmann's magazinests which have sover here published hitherin. that we have us have in Anti-Syrot many or or, responsive management of the second many many many produce on the just have not like in horse on expression from our studies on to just have not filled these above on any object they would like in have many of these. en't you please write the editor a few Base, stating your feelings in this matter?—EDSTOR.

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